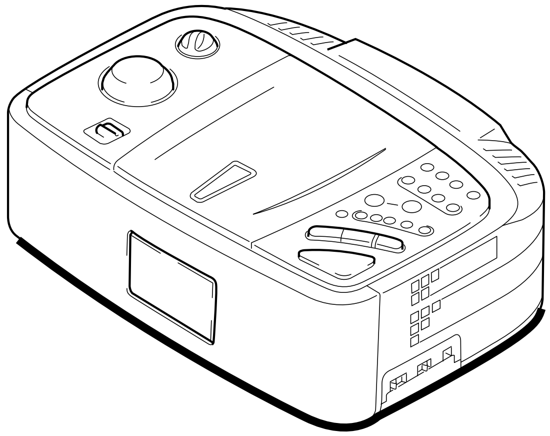
ICF-CD873

SERVICE MANUAL

US Model
Canadian Model
AEP Model
Australian Model



Model Name Using Similar Mechanism	CFD-550
Optical Device Name	KSM-213BAN
Optical Pick-UP Name	KSS-213B

SPECIFICATIONS

CD player section

System: Compact disc digital audio system
Laser diode properties: Material: GaAlAs
Wavelength: 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 μW
(This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7mm aperture.)
Frequency response: 20-20,000 Hz $^{+1}_{-1.5}$ dB
Wow and flutter: Below measurable limit

Radio section

Frequency range:

	Band	
US, Canadian	FM	87.5-108.0 MHz
US, Canadian	AM	530-1,710 kHz
Italian, Australian	FM	87.5-108.0 MHz
Italian, Australian	AM	531-1,602 kHz

Channel step:
US, Canadian
FM: 0.1MHz (fixed)
AM: 10kHz (fixed)
Italian, Australian
FM: 0.05* MHz (fixed)
AM : 9 kHz (fixed)
* The frequency display changes in steps of 0.1 MHz. (Example: Frequency 88.05 MHz is displayed as "88.0 MHz".)

General

Time display:
US, Canadian, Australian:
12-hour system
Italian: 24-hour system

Speaker:
Front speakers: 6 cm (2 $^1/_2$ inches) x two, 8 ohms
Woofer: 9 cm (3 $^1/_2$ inches) 4 ohms

Power outputs:
Front speakers: 1.2W + 1.2W
(at 10% harmonic distortion)
Woofer: 4.5 W (at 10% harmonic distortion)

Power requirements:
US, Canadian
120 V AC, 60 Hz
Italian, Australian
220-230 V AC, 50 Hz

Power consumption:
22W

Dimensions:
Approx. 304 x 125 x 233.5 mm (w/h/d)
(Approx. 12 x 5 x 9 $^1/_4$ inches) incl. projecting parts and controls

Mass:
Approx. 3.5 kg (7 lb 12 oz) not incl. batteries

Design and specifications are subject to change without notice.

FM/AM CD CLOCK RADIO

MICROFILM

SONY®

TABLE OF CONTENTS

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1 SERVICING NOTES

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

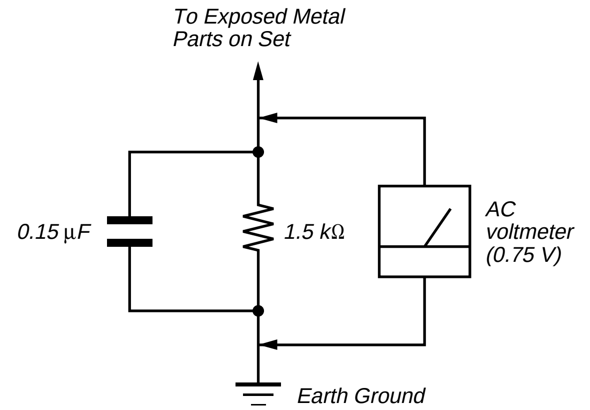


Fig. A. Using an AC voltmeter to check AC leakage.

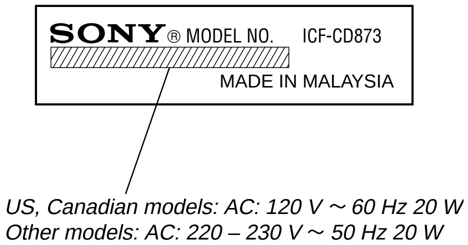
CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.



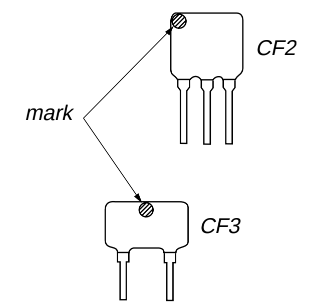
Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

MODEL IDENTIFICATION – Rear View –



HOW TO CHANGED THE CERAMIC FILTERS

This model is used two ceramic filters of CF2 and CF3.
You must used same type of color marked ceramic filters in order to meet same specifications.
Therefore, the ceramic filter must changed two pieces together since it's supply two pieces in one package as a spare parts.



Mark	Center frequency
red	10.70 MHz
blue	10.67 MHz
orange	10.73 MHz
black	10.64 MHz
white	10.76 MHz

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

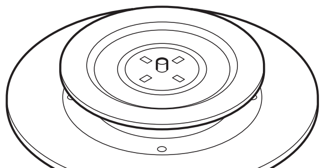
The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

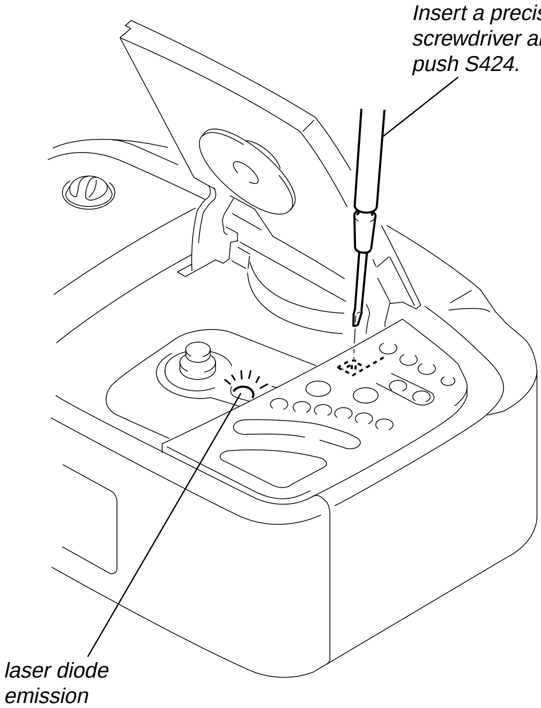
CHUCK PLATE JIG ON REPAIRING

On repairing CD section, playing a disc without the CD lid, use Chuck Plate Jig.
- Code number of Chuck Plate Jig: X-4918-255-1



LASER DIODE AND FOCUS SEARCH OPERATION CHECK

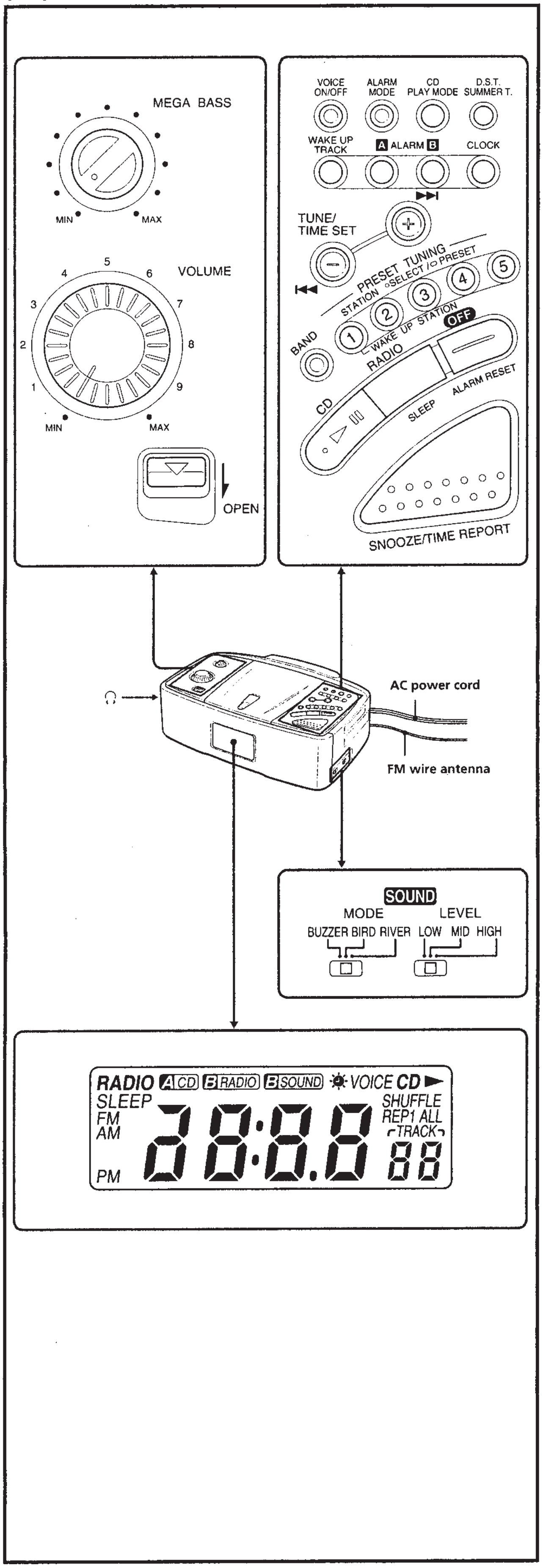
1. Open the CD lid.
2. Turn on S424 as following figure.
3. Confirm that the laser diode emission while observing the objecting lens. When there is no emission, Auto Power Control circuit or Optical Pick-up is broken.
   Objective lens moves up and down once for the focus search.



SECTION 2
GENERAL

This section is extracted from instruction manual.

(US)



Features

- Voiceplus–announces the time, guides setting of alarm, etc., with talking voice.
- Nature sound alarm – wake up to the sound of flowing stream or bird song.
- Built-in CD Player with Shuffle/Repeat function.
- You can wake up to any tracks.
- 5 station presets.
- A powerful bass is produced with the MEGA BASS sound system.
- 3D stereo sound system with woofer.
- PLL (Phase Locked Loop) Synthesized Tuner with 5 random memory presets for easy one button tuning.

Setting the Clock

1 Plug in the unit.
"AM 12:00" flashes on the display.

2 Press **CLOCK** for a few seconds until you hear a beep.
The hour starts to flash on the display.

3 Press **TUNE/TIME SET +** or **–** until the correct hour appears.

4 Press **CLOCK** once.

5 Repeat steps **3** and **4** to set the minute.
After setting the minute, press **CLOCK** again. Two short beeps sound, and the counting of the seconds starts.

- To set the current time rapidly, hold down the + or – button.
- To set the current time from zero seconds, release **CLOCK** with the time signal at step **5**.
- For vocal announcement of the current time, press **SNOOZE/TIME REPORT.**

To adjust the current time to daylight saving time (summer time)

Press **D.S.T./SUMMER T.**
" ☀ " appears on the display and the current time is adjusted to the daylight saving time.
To deactivate the function, press **D.S.T./ SUMMER T.** again.

Setting the Alarm

This radio is equipped with 3 main alarm modes —CD, radio and sound. Under sound alarm, you can choose from **BUZZER, BIRD** or **RIVER**. Before setting the alarm, make sure to set the clock (see "Setting the Clock"). For the radio alarm, make sure to preset a radio station onto preset button **1**.

Setting the Alarm Time

To set the [A CD] alarm:

1 Press **ALARM A** for a few seconds until you hear a beep.
"[A CD]" and the hour flashes on the display.

2 Press **TUNE/TIME SET +** or **–** to set the desired hour.

3 Press **ALARM A** again.

4 Repeat steps **2** and **3** to set the minute.
Two short beeps sound to confirm the setting. After a few seconds, the display returns to the current time while "[A CD]" remains.

Setting the wake up track

1 Press **WAKE UP TRACK** for a few seconds until you hear a beep.
The track number flashes on the display.

2 Press **TUNE/TIME SET +** or **–** to select the desired track number.

3 Press **WAKE UP TRACK** again.
Two short beeps sound to confirm the setting.

Note
When you change the CD, the **WAKE UP TRACK** number will be canceled. Set it again.

To set the [B RADIO] / [B SOUND] alarm:

1 Press **ALARM B** for a few seconds until you hear a beep.
"[B RADIO]" and "[B SOUND]" flashes on the display.

2 Press **TUNE/TIME SET +** or **–** to set the desired hour.

3 Press **ALARM B** again.

4 Repeat steps **2** and **3** to set the minute.
Two short beeps sound to confirm the setting.

Setting the Alarm Mode

Before setting the alarm mode, be sure to set the alarm time. (See "Setting the Alarm Time".)

Press **ALARM MODE** repeatedly until the desired mode appears on the display.

Each press of **ALARM MODE** changes the indication on the display as follows:

No alarm indication → [A CD] → [B RADIO] → [B SOUND] → [A CD] and [B RADIO] → [A CD] and [B SOUND] → (back to No alarm indication)

Selecting the sound alarm

To select one of the 3 sounds to wake up to, set the **SOUND MODE** switch to:
BUZZER for buzzer
BIRD for bird song
RIVER for flowing stream

Adjusting the alarm volume

To select the volume of the alarm, set the **SOUND LEVEL** switch to:
LOW for low
MID for medium
HIGH for loud

- To stop the alarm, press **OFF•ALARM RESET**. The alarm will sound at the same time the next day.
- To cancel the alarm, press **ALARM MODE** repeatedly until there is no alarm indication on the display.
- To check the alarm time you have set, press **ALARM A** or **ALARM B**.

Notes
- The alarm does not function unless you set the clock and the CD/radio/sound alarm.
- If you set the CD alarm and radio or sound alarm to the same time, the CD alarm takes precedence.
- If you set the CD alarm and there is no disc in the CD player, the buzzer alarm will sound in its place at the time set.
- The radio, sound alarms and CD alarms will activate for 60 minutes.
- When the radio alarm is activated, "[B RADIO]" flashes on the display. If you wish to listen to the radio on the radio mode instead of the radio alarm mode, press **RADIO•SLEEP**. "[B RADIO]" stops flashing and remains on the display.

To Doze for a Few More Minutes

Press **SNOOZE/TIME REPORT.**
The CD, radio or sound alarm turns off, but will be activated automatically after about 8 minutes. You can repeat this process as many times as necessary.

- When the **SNOOZE/TIME REPORT** function is activated, the alarm indication flashes.

Setting the Sleep Timer

You can enjoy falling asleep to the radio using the built-in sleep timer that turns off the radio automatically after a preset duration.

Press **RADIO•SLEEP** repeatedly until the desired countdown duration appears.
When **RADIO•SLEEP** is pressed once, "On" appears on the display. Subsequent pressing of **RADIO•SLEEP** shows the following countdown durations:

Radio on (Sleep timer off) → 90 min → 60 min → 30 min → 15 min → (back to Radio on)

- To turn off the radio before the countdown duration has elapsed, press **OFF•ALARM RESET.**

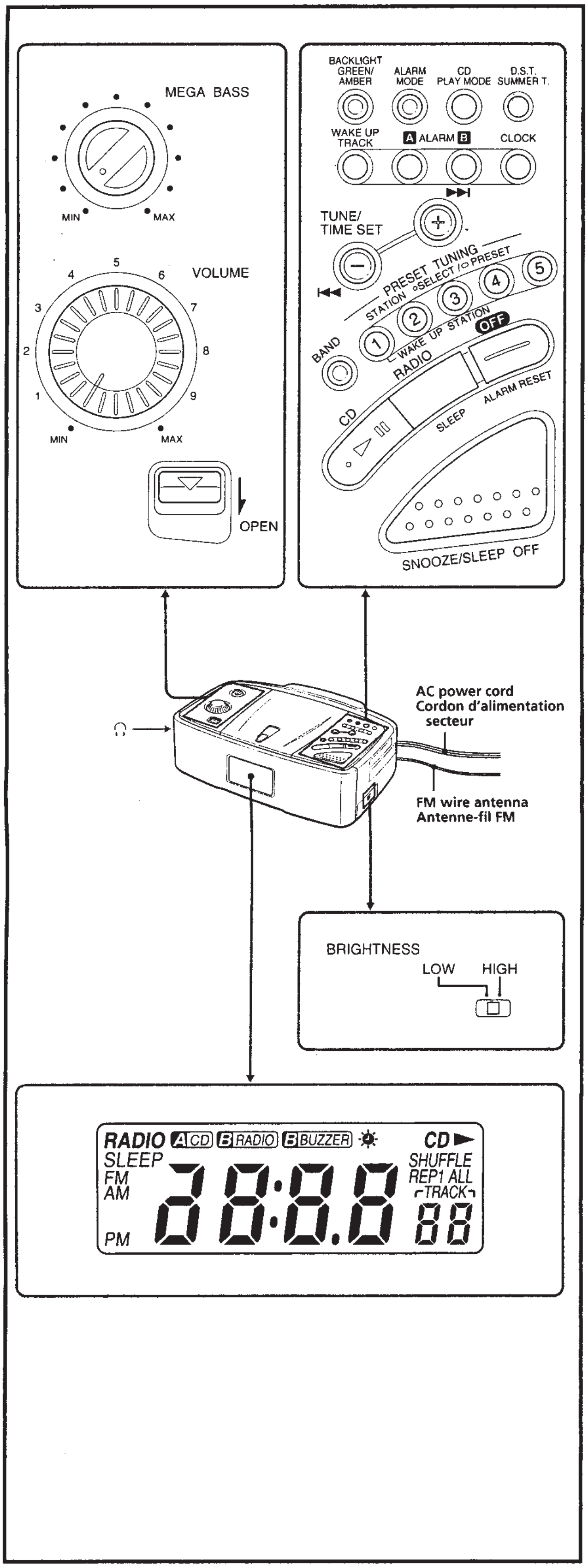
To use both the sleep timer and the alarm

You can enjoy falling asleep to the radio and be awakened by the CD, radio or sound alarm.

1 Set the alarm. (See "Setting the Alarm".)

2 Set the sleep timer. (See "Setting the Sleep Timer".)

(EXCEPT US)



Features

- 3-D sound system — In addition to the left and right speakers, the center woofer provides rich bass sound for enhanced listening quality.
- Built-in CD Player with Shuffle/Repeat function.
- You can wake up to any track of a CD.
- 5 random station presets.
- A powerful bass is produced with the MEGA BASS sound system.
- PLL (Phase Locked Loop) Synthesized Tuner with 5 random memory presets for easy one button tuning.
- Adjustable display backlight color (green/amber).
- Summer time (daylight saving time) calculation.

Setting the Clock

1 Plug in the unit.
"AM 12:00" or "0:00" flashes on the display.

2 Press **CLOCK** for a few seconds until you hear a beep.
The hour starts to flash on the display.

3 Press **TUNE/TIME SET +** or **–** until the correct hour appears.

4 Press **CLOCK** once.

5 Repeat steps **3** and **4** to set the minute.
After setting the minute, press **CLOCK** again. Two short beeps sound, and the counting of the seconds starts.

- To set the current time rapidly, hold down the + or – button.
- To set the current time from zero seconds, release **CLOCK** with the time signal at step **5**.

To Adjust the Current Time to Daylight Saving Time (Summer Time)

Press **D.S.T./SUMMER T.**.
" ☀ " appears on the display and the current time is adjusted to the daylight saving time.
To deactivate the function, press **D.S.T./SUMMER T.** again.

Setting the Alarm

This radio is equipped with 3 alarm modes—CD, radio and buzzer. Before setting the alarm, make sure to set the clock (see "Setting the Clock"). For the radio alarm, make sure to preset a radio station onto preset button **1**.

Setting the Alarm Time

To set the "A CD" alarm:

1 Press **ALARM A** for a few seconds until you hear a beep.
"A CD" and the hour flashes on the display.

2 Press **TUNE/TIME SET +** or **–** to set the desired hour.

3 Press **ALARM A** again.

4 Repeat step **2** and **3** to set the minute.
Two short beeps sound to confirm the setting. After a few seconds, the display returns to the current time while "A CD" remains.

Setting the wake up track

1 Press **WAKE UP TRACK** for a few seconds until you hear a beep.
The track number flashes on the display.

2 Press **TUNE/TIME SET +** or **–** to select the desired track number.

3 Press **WAKE UP TRACK** again.
Two short beeps sound to confirm the setting.

Note

When you change the CD, the **WAKE UP TRACK** number will be canceled. Set it again.

To set the "B RADIO"/"B BUZZER" alarm:

1 Press **ALARM B** for a few seconds until you hear a beep.
"B RADIO" or "B BUZZER" flashes on the display.

2 Press **TUNE/TIME SET +** or **–** to set the desired hour.

3 Press **ALARM B** again.

4 Repeat steps **2** and **3** to set the minute.
Two short beeps sound to confirm the setting.

Setting the Alarm Mode

Before setting the alarm mode, be sure to set the alarm time. (See "Setting the Alarm Time".)

Press **ALARM MODE** repeatedly until the desired mode appears on the display.
Each press of **ALARM MODE** changes the indication on the display as follows:

No alarm indication → A CD → B RADIO → B BUZZER → A CD and B BUZZER ← A CD and B RADIO (back to No alarm indication)

- To stop the alarm, press **OFF•ALARM RESET**. The alarm will sound at the same time the next day.
- To cancel the alarm, press **ALARM MODE** repeatedly until there is no alarm indication on the display.
- To check the alarm time you have set, press **ALARM A** or **ALARM B**.

Notes

- The alarm does not function, unless you set the clock and the CD/radio/buzzer alarm.
- If you set the CD alarm and radio or buzzer alarm to the same time, the CD alarm takes precedence.
- If you set the CD alarm and there is no disc in the CD player, the buzzer alarm will sound in its place at the time set.
- The radio and buzzer alarms will activate for 60 minutes.
- When the radio alarm is activated, "B RADIO" flashes on the display. If you wish to listen to the radio on the radio mode instead of the radio alarm mode, press **RADIO•SLEEP**. "B RADIO" stops flashing and remains on the display.

To Doze for a Few More Minutes

Press **SNOOZE/SLEEP OFF**.
The CD, radio or buzzer alarm turns off, but will be activated automatically after about 8 minutes. You can repeat this process as many times as necessary.

Setting the Sleep Timer

You can enjoy falling asleep to the radio using the built-in sleep timer that turns off the radio automatically after a preset duration.

Press **RADIO•SLEEP** repeatedly until the desired countdown duration appears.
When **RADIO•SLEEP** is pressed once, "On" appears on the display. Subsequent pressing of **RADIO•SLEEP** shows the following countdown durations:

Radio on (Sleep timer off) → 90 min → 60 min → 30 min → 15 min → (back to Radio on)

- To turn off the radio before the countdown duration has elapsed, press **OFF•ALARM RESET**.

To use both the sleep timer and the alarm

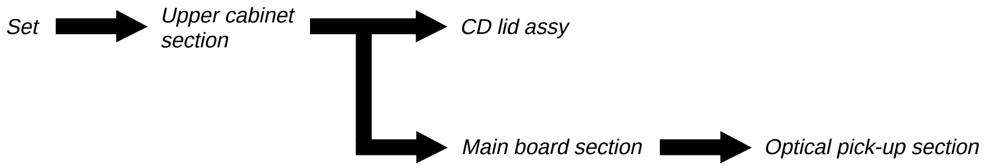
You can enjoy falling asleep to the radio and be awakened by the CD, radio or buzzer alarm.

1 Set the alarm. (See "Setting the Alarm".)

2 Set the sleep timer. (See "Setting the Sleep Timer".)

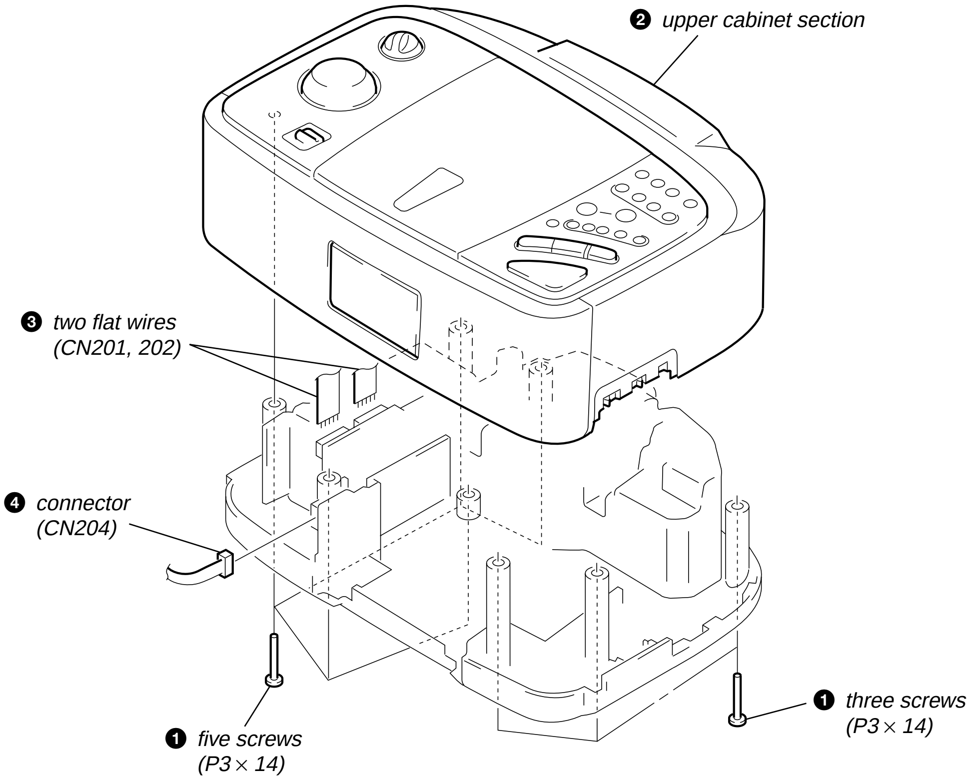
SECTION 3
DISASSEMBLY

• This set can be disassembled in the order shown below.

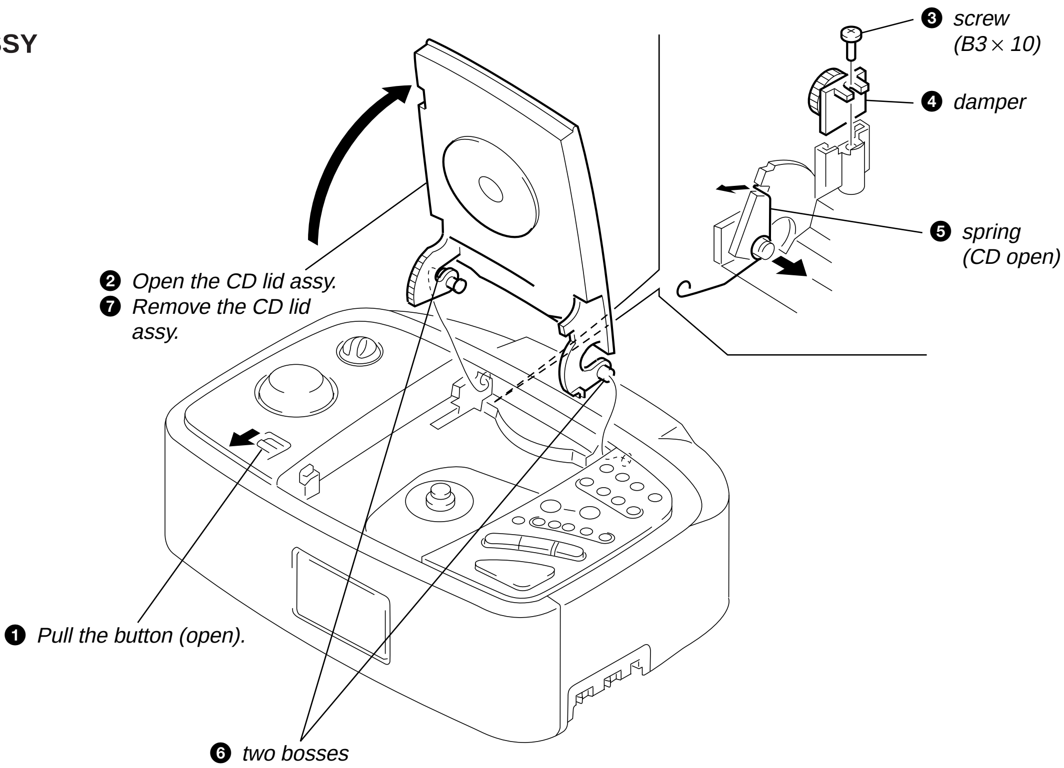


Note: Follow the disassembly procedure in the numerical order given.

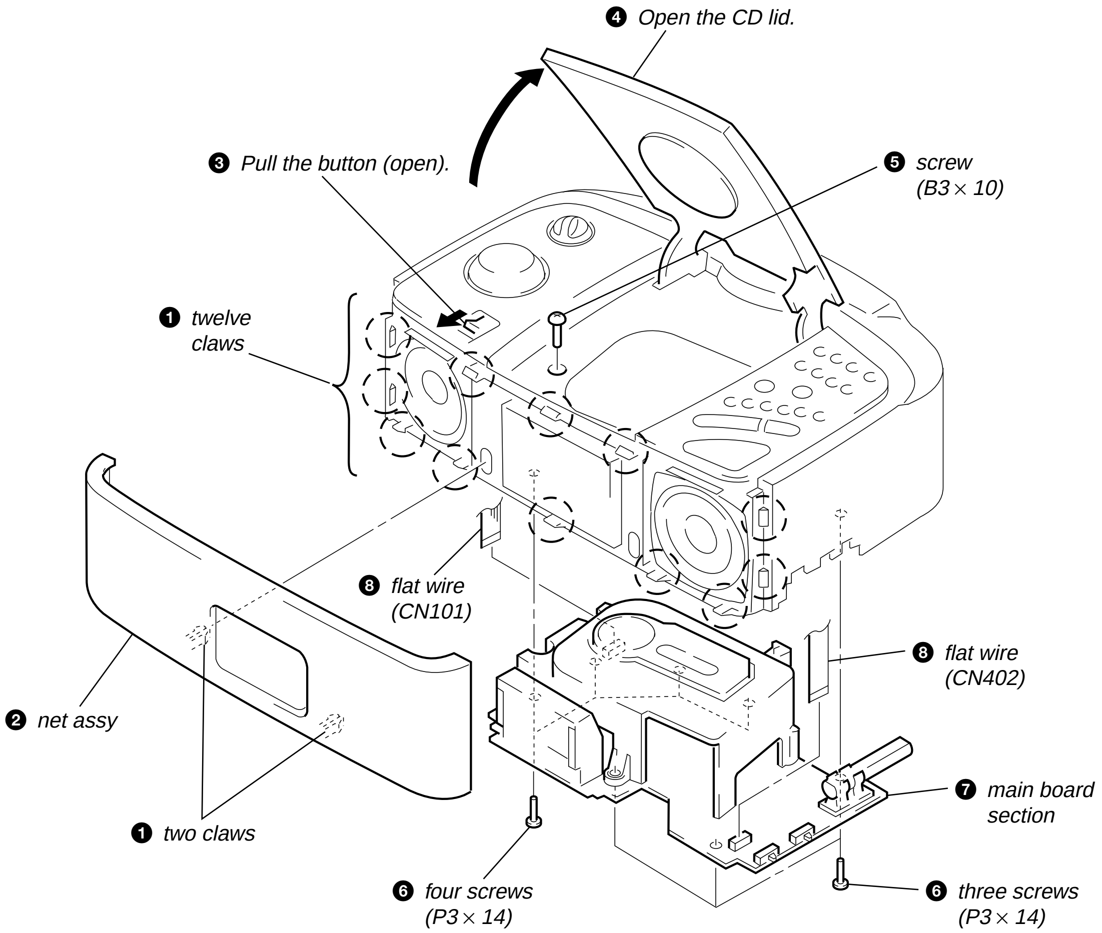
UPPER CABINET SECTION



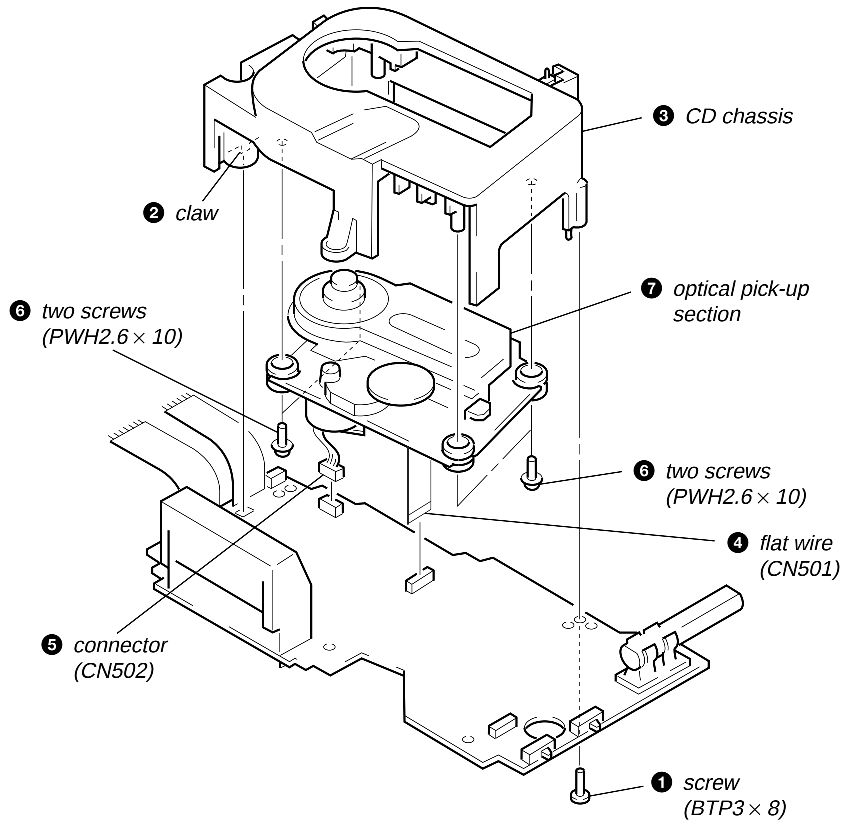
CD LID ASSY



MAIN BOARD SECTION

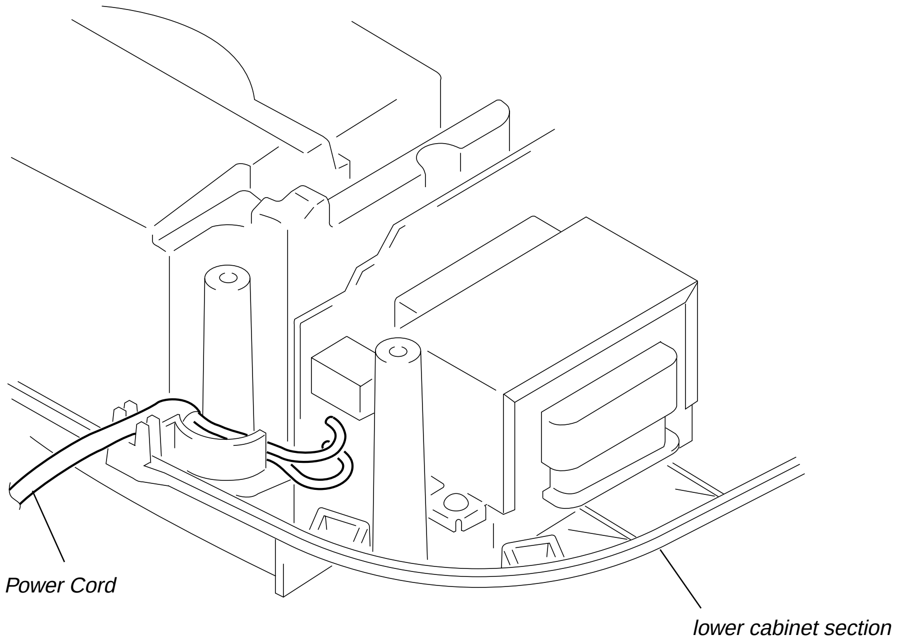


OPTICAL PICK-UP SECTION



SECTION 4
POWER CORD SETTING

Set the power cord as illustrated below, then install the lower cabinet section.



SECTION 5
ELECTRICAL ADJUSTMENTS

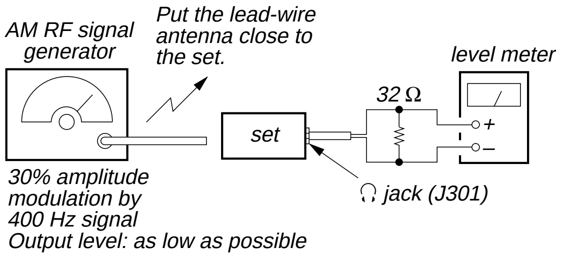
TUNER SECTION 0 dB=1 µV

[AM]

Setting:

Function : RADIO

Band switch : AM

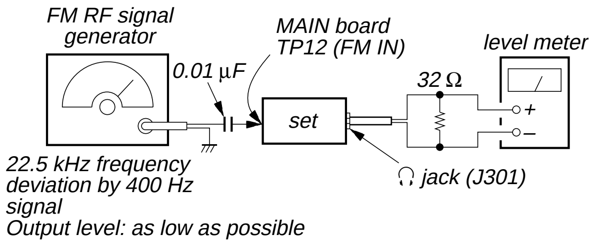


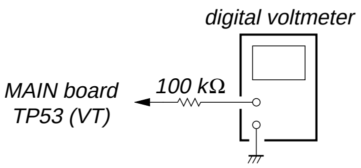
[FM]

Setting:

Function : RADIO

Band switch : FM





- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.
- Remove FM antenna in FM adjustments.

AM IF ADJUSTMENT	
Adjust for a maximum reading on level meter	
T1	450 kHz

AM FREQUENCY COVERAGE ADJUSTMENT		
Adjustment Part	Frequency Display	Reading on Digital Voltmeter
L4	530 kHz	2.8 V
Confirmation	1,710 kHz	9.5V

AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter	
L3	580 kHz
CT2	1,490 kHz

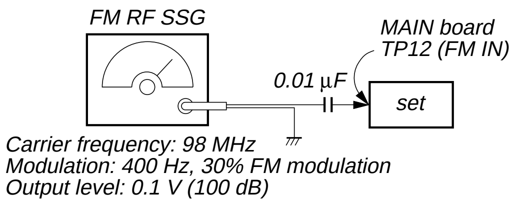
FM FREQUENCY COVERAGE ADJUSTMENT		
Adjustment Part	Frequency Display	Reading on Digital Voltmeter
L2	87.5 MHz	2.1 V
Confirmation	108 MHz	8.5 V

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter	
L1	87.5 MHz
CT1	108 MHz

Adjustment Location: MAIN board (See page 11)

FM VCO Adjustment

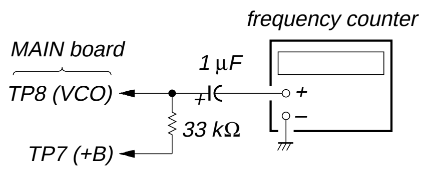
Setting:



Procedure:

1. Connect the frequency counter to TP7, 8 as shown the figure below.
2. Tune the set to 98 MHz.
3. Adjust RV1 for 76 kHz reading on the frequency counter.

Specified Value: 75.95 to 76.05 kHz



Adjustment Location: MAIN board (See page 13)

CD SECTION

Note:
Tracking Balance Adjustment and Tracking Gain Adjustment are done automatically in this set.

TEST MODE

1. Press the CD LID OPEN/CLOSE DET switch (S424) on the PUSH SWITCH board.
2. Under standby condition (when the clock appear in the display), short the BP (CD TEST AUTO).

Note: If the power is supplied to the microprocessor once, it is backed up for 3 minutes, therefore the TEST mode will not be activated within 3 minutes even if the power is turned on again. In this case, short instantaneously the BP (CD TEST MANUAL).

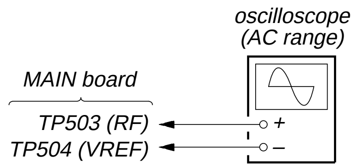
3. Press the ►II key, and the focus search is repeated.
   At this time, check that the optical pick-up objective lens moves smoothly without a sticking or noise.
4. Load the test disc (YEDS-18: Part No. 3-702-101-01), and perform automatic adjustment after the focus search succeded.
5. After automatic adjustment is finished, move the sled motor to the center. At this time, keep pressing the ►►I and I◄◄ keys to confirm that optical pick-up moves smoothly via most inside track → most outside track → most inside track without a sticking or noise.
6. Confirm the traverse waveform.
7. Press the WAKE UP TRACK key.
8. The tracking servo and the sled servo are turned on, the mute is cancelled.
9. Playback the 2nd track.
10. Adjust the RF and jitter waveforms.

Connecting points: MAIN Board (See page 13)

Focus Bias Adjustment

This adjustment is to be done when the optical block is replaced.

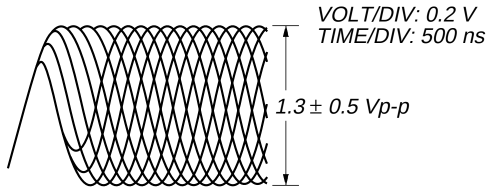
Connection:



Adjustment Procedure:

1. Connect the oscilloscope to TP504 (VREF) and TP503 (RF) on the MAIN board.
2. Insert the test disc (YEDS-18: Part No.3-702-101-01) and press ►II key to play.
3. Move the optical pick-up to the music area on the disc to enable easy visibility of the eye pattern by ►►I or I◄◄ key pressing.
4. Adjust RV501 so that the oscilloscope waveform is as shown in the figure below (eye pattern).
   A good eye pattern means that the diamond shape (◇) in the center of the waveform can be clearly distinguished.

• RF signal reference waveform (eye pattern)



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

Adjustment Location: MAIN Board (See page 13)

Focus Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.
However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.
Focus gain determines the optical pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.
However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

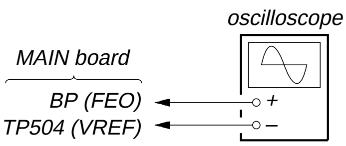
Symptoms \ Gain	Focus
• The time until music starts becomes longer for STOP → PLAY or automatic selection. (⏮, ⏭ buttons pressed) (Normally takes about 2 seconds)	low
• Music does not start and disc continues to rotate for STOP → PLAY or automatic selection. (⏮, ⏭ buttons pressed)	–
• Sound is interrupted during PLAY. Or time counter display stops progressing.	–
• More noise during 2-axis device operation	high

The following is a simple adjustment method.

– Primary Adjustment –

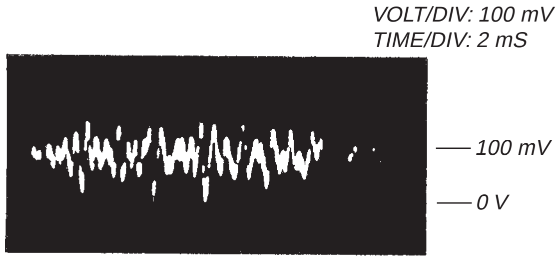
Note: Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the primary adjustment are only a little different, return the controls to the original position.

Connection:

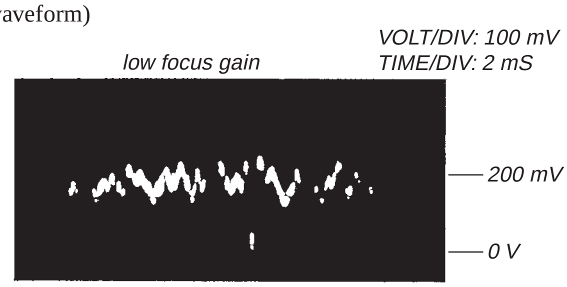


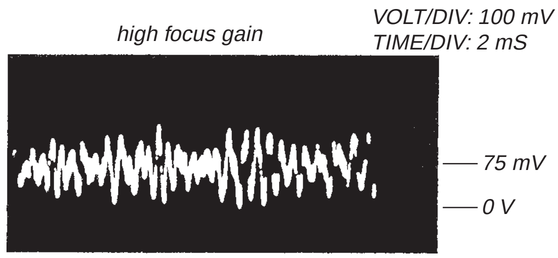
Procedure:

1. Keep the set horizontal.
   (If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2-axis device)
2. Insert the test disc (YEDS-18) and press the ▶II button.
3. Connect the oscilloscope BT (FEO) and TP504 (VREF) on the MAIN board.
4. Adjustment RV502 on the MAIN board so that the waveform is as shown in the figure below.



- Incorrect Examples (DC level changes more than on adjusted waveform)



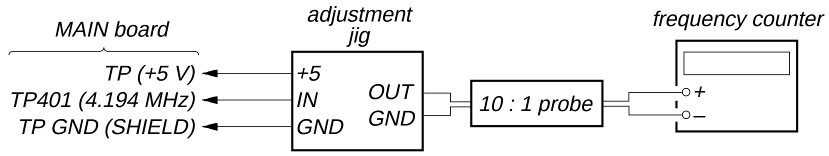


Adjustment Location: MAIN Board (See page 13)

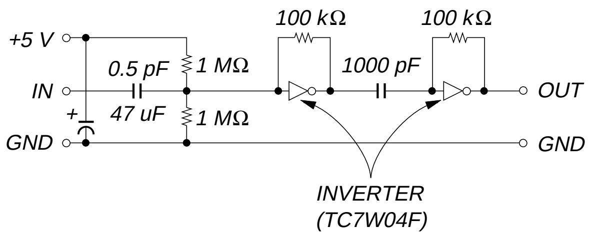
MAIN CLOCK SECTION

Main Clock Adjustment

Connection:



Adjustment jig:

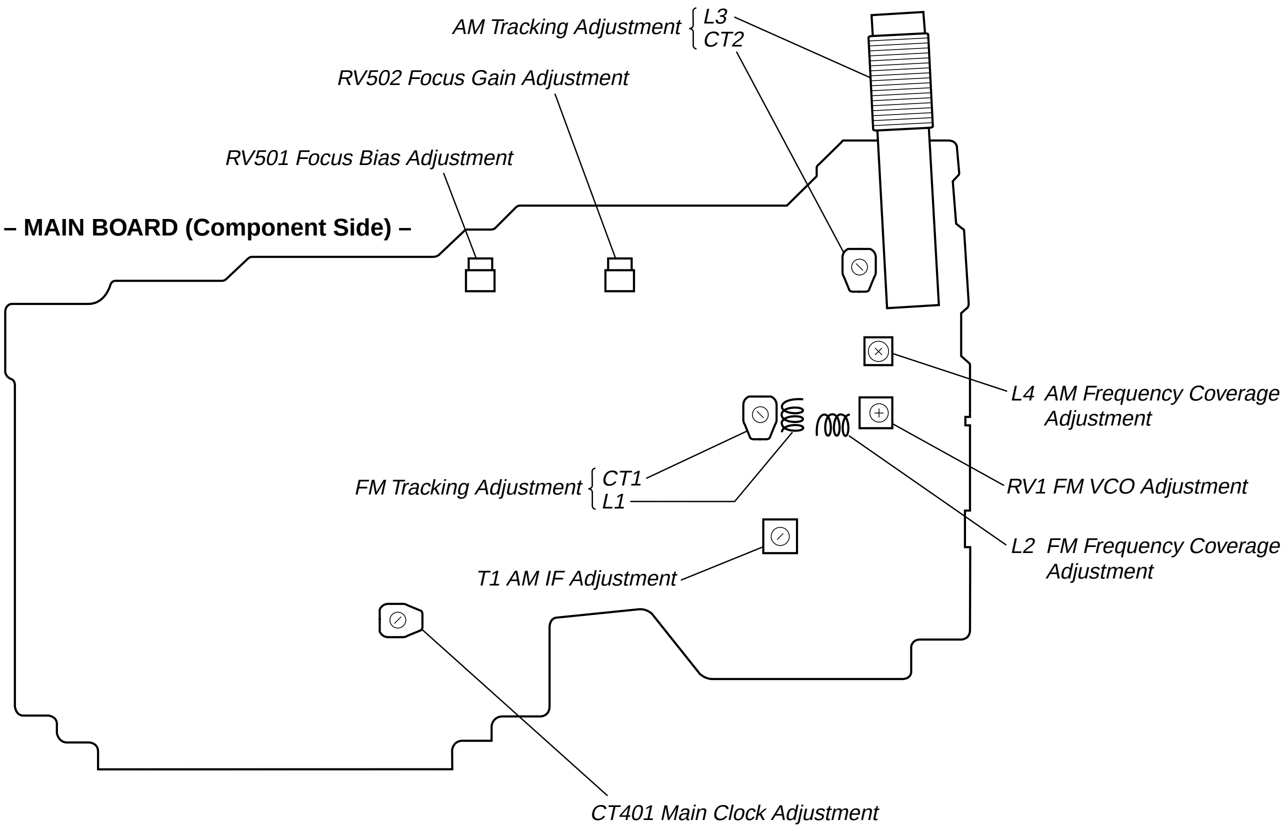


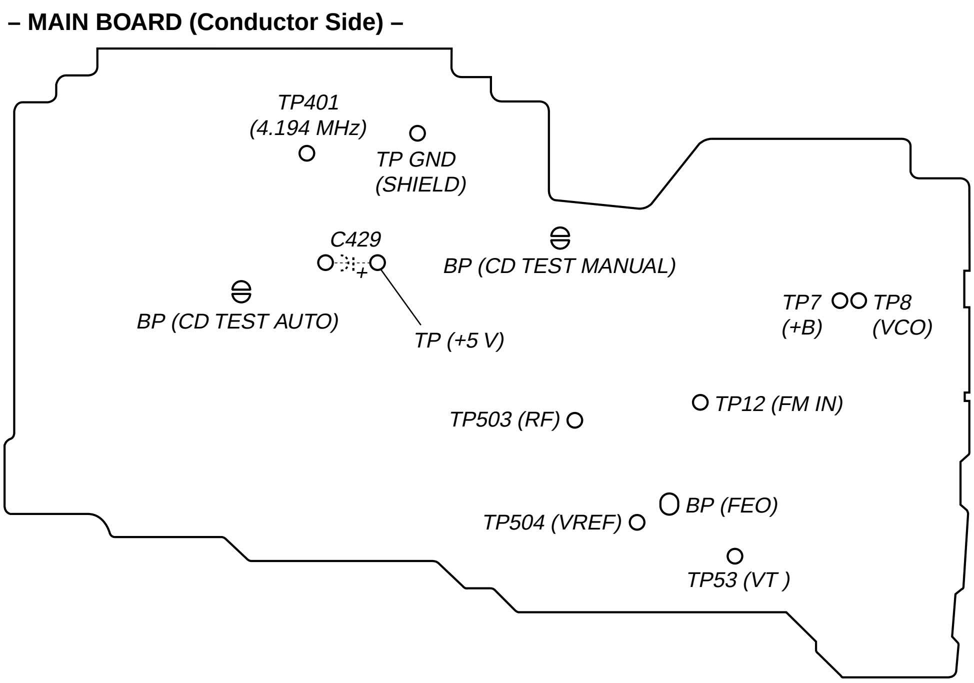
Procedure:

1. Connect the frequency counter as the above figures.
2. Adjust CT401 for 4.2495 MHz reading on the frequency counter.

Specified Value: 4.2490 to 4.2500 MHz

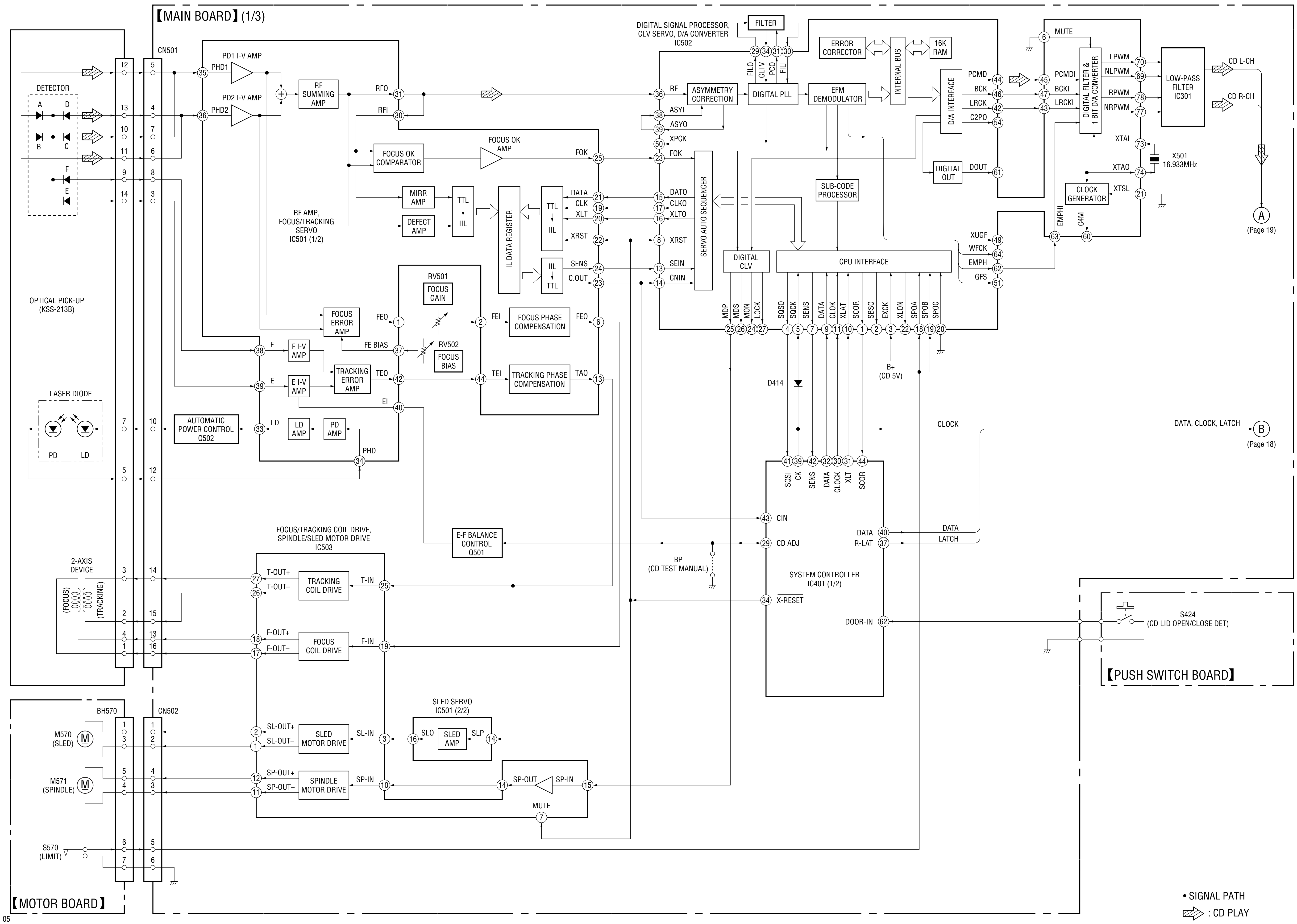
Adjustment Location and Connecting Points:



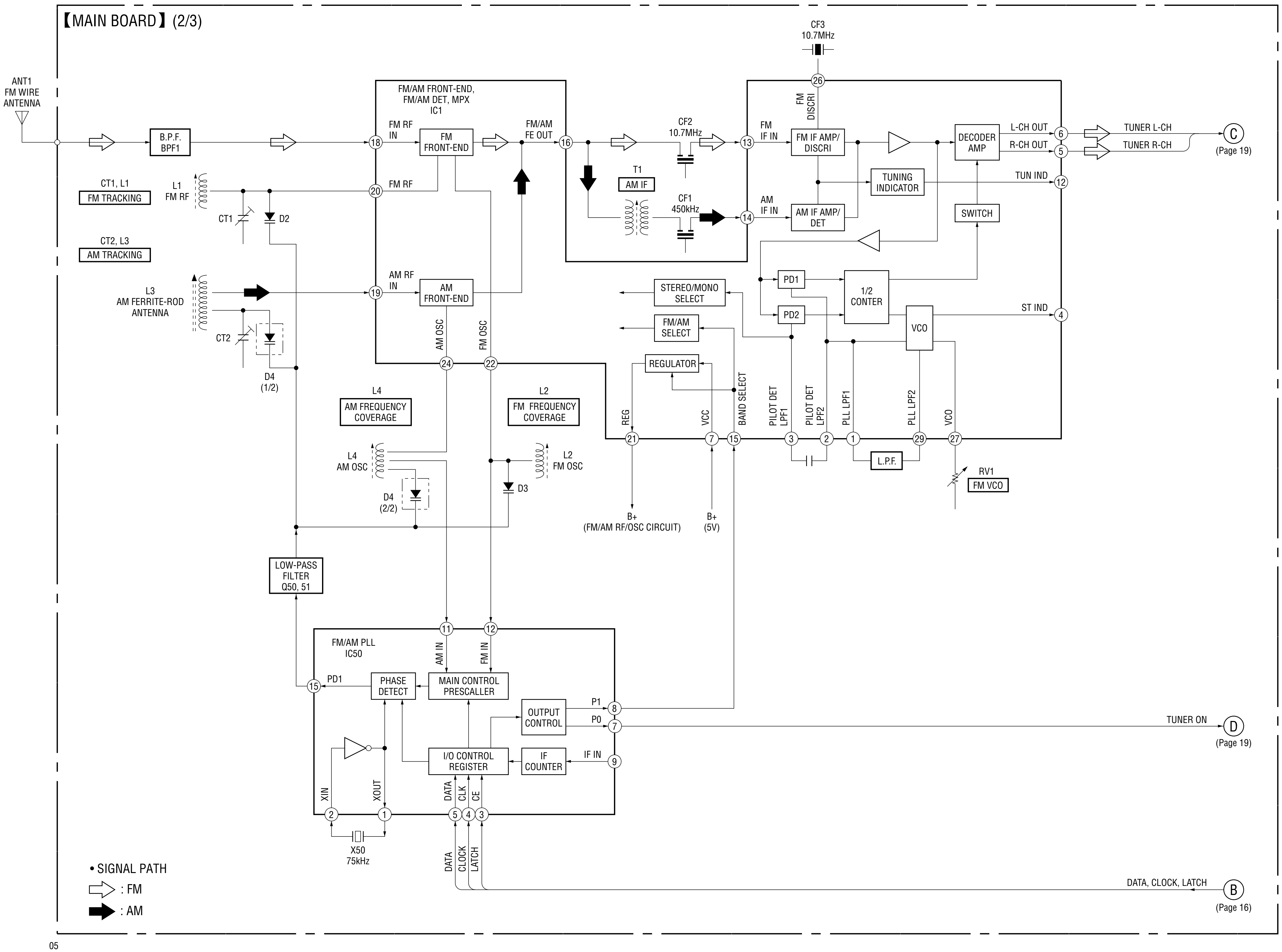


SECTION 6
DIAGRAMS

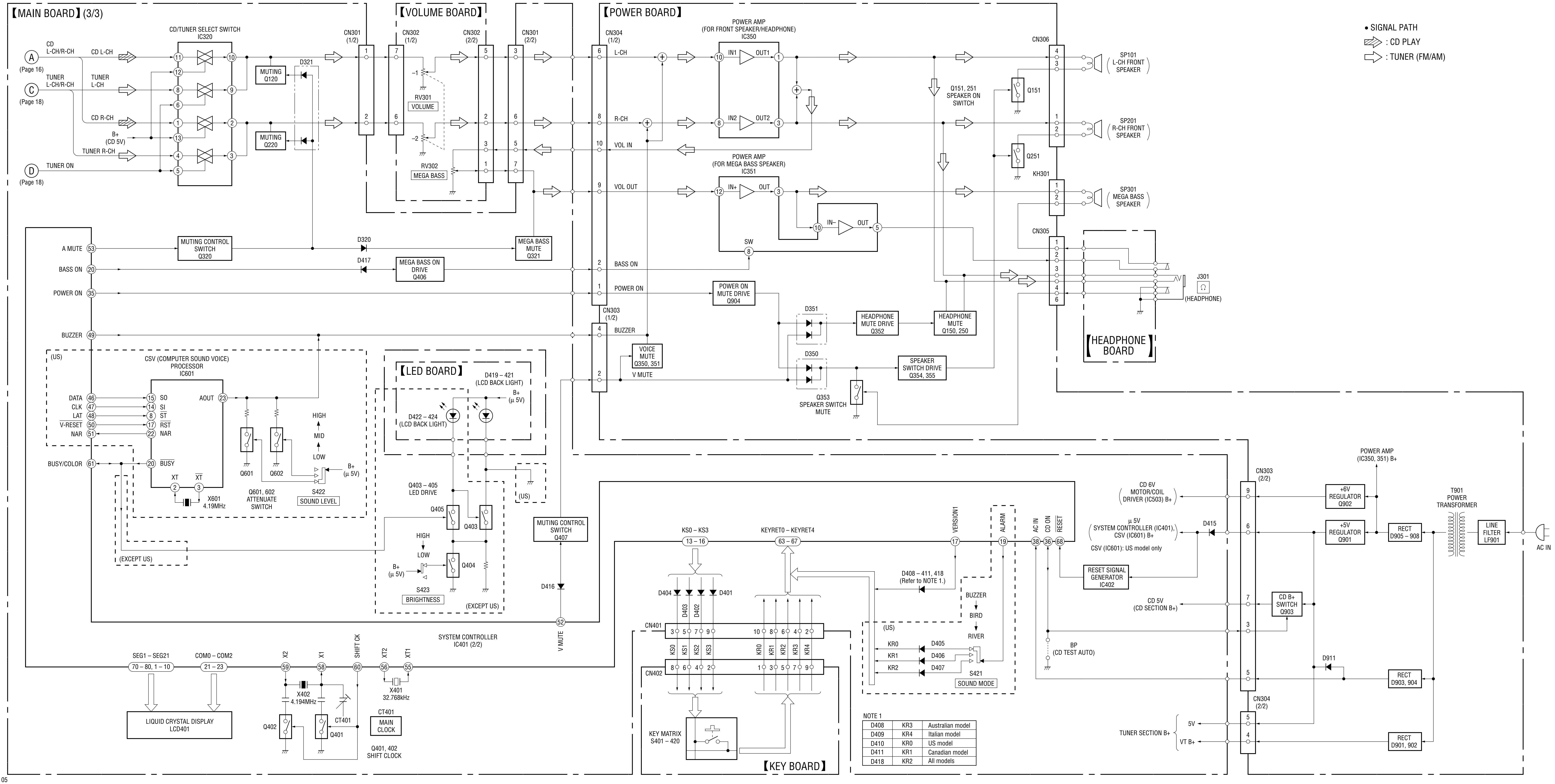
6-1. BLOCK DIAGRAM – CD Section –



6-2. BLOCK DIAGRAM – TUNER Section –



6-3. BLOCK DIAGRAM – MAIN Section –

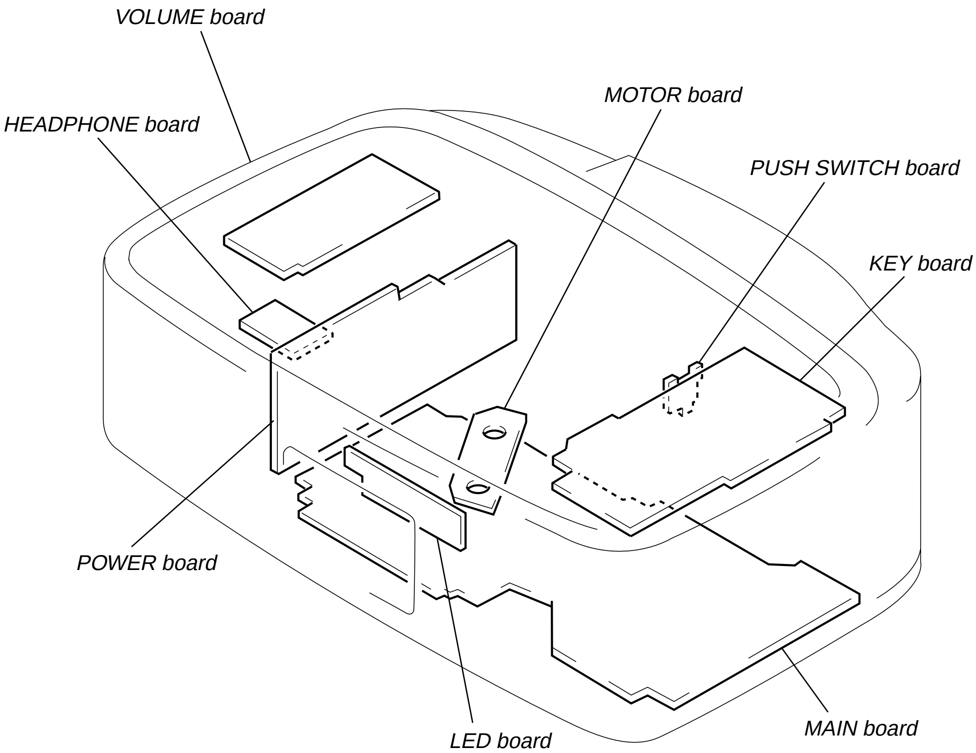


NOTE 1

D408	KR3	Australian model
D409	KR4	Italian model
D410	KR0	US model
D411	KR1	Canadian model
D418	KR2	All models

05

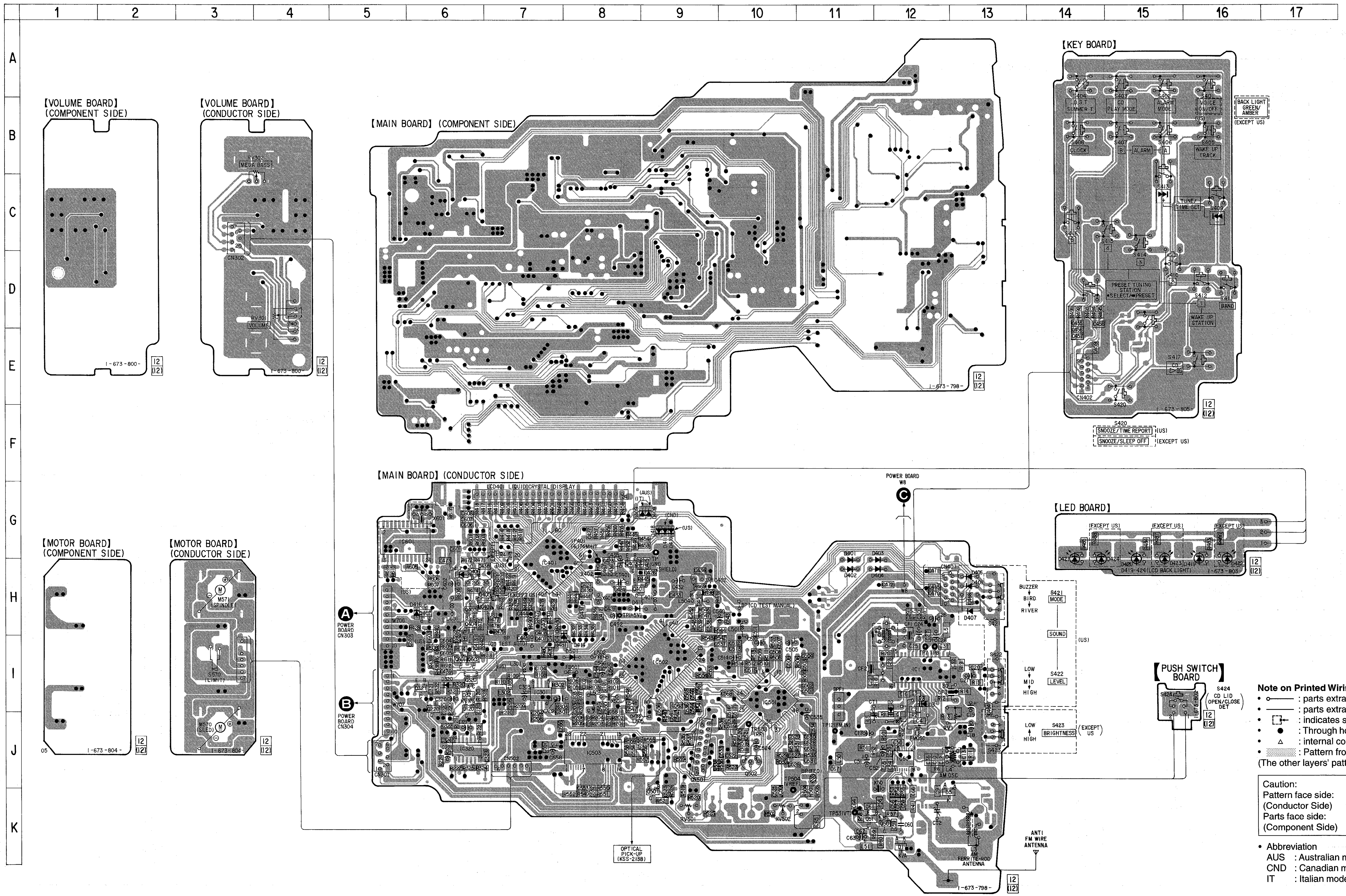
- **Circuit Boards Location**



6-4. PRINTED WIRING BOARD – MAIN Section –

• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D1	K-12		
D2	I-12	IC1	I-12
D3	I-12	IC50	J-12
D5	K-12	IC301	I-7
D320	I-6	IC320	J-6
D321	I-6	IC401	G-7
D401	H-11	IC402	I-10
D402	H-11	IC501	K-9
D403	H-12	IC502	I-9
D404	H-12	IC503	J-8
D405	H-13	IC601	G-6
D406	H-13		
D407	H-13	Q50	K-12
D408	G-9	Q51	K-11
D409	G-9	Q120	I-6
D410	G-9	Q220	I-6
D411	G-9	Q320	I-6
D414	I-8	Q321	I-6
D415	H-8	Q401	H-8
D416	H-6	Q402	H-8
D417	H-6	Q403	H-6
D418	G-9	Q404	H-6
D419	G-16	Q405	H-7
D420	G-15	Q406	H-6
D421	G-14	Q407	H-6
D422	G-16	Q501	K-9
D423	G-15	Q502	J-10
D424	G-14	Q601	I-6
D501	I-8	Q602	I-6



Note on Printed Wiring Boards:

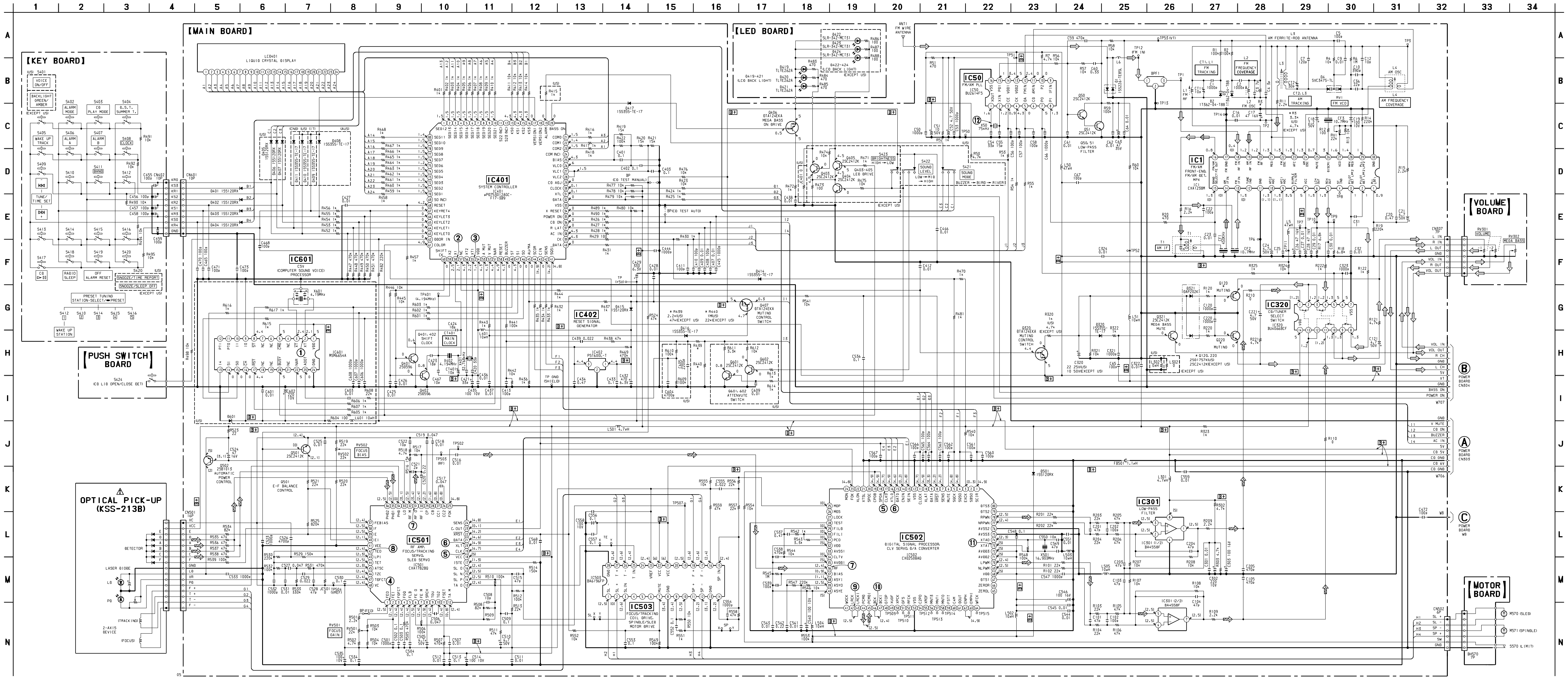
- o——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- [ ]← : indicates side identified with part number.
- ● : Through hole.
- △ : internal component.
- ░░ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

• Abbreviation
AUS : Australian model
CND : Canadian model
IT : Italian model

6-5. SCHEMATIC DIAGRAM – MAIN Section – • See page 31 for Waveforms. • See page 37 for IC Block Diagrams.



Note on Schematic Diagram:

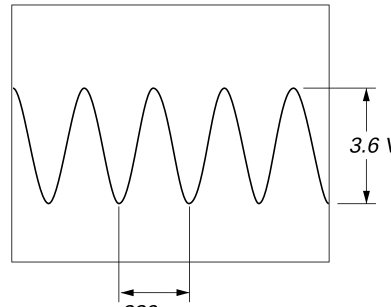
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- B+ : B+ Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
  [ ] : CD PLAY
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : AM
  ⇨ : CD PLAY
- Abbreviation
  AUS : Australian model
  CND : Canadian model
  IT : Italian model

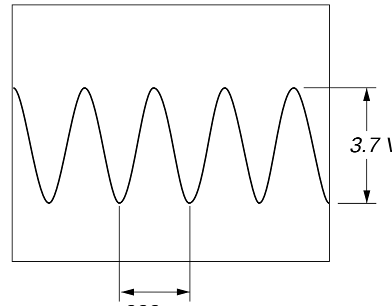
• Waveforms
– MAIN Board –

❶ IC601 ② (XT) (RADIO ON mode)
1 V/DIV, 100 ns/DIV



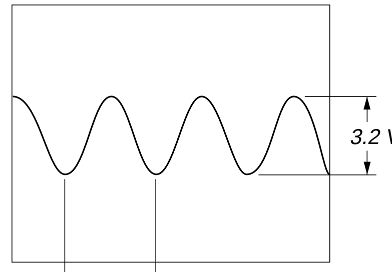
3.6 Vp-p
239 ns

❷ IC401 ⑯ (X1) (RADIO ON mode)
1 V/DIV, 100 ns/DIV



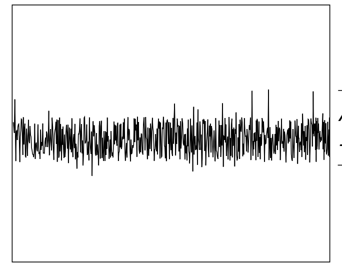
3.7 Vp-p
238 ns

❸ IC601 ㊿ (XT1) (RADIO ON mode)
1 V/DIV, 10 µs/DIV



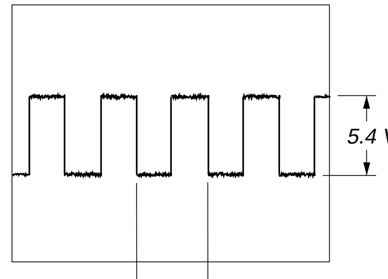
3.2 Vp-p
30.5 µs

❹ IC501 ① (FEO) (CD PLAY mode)
100 mV/DIV, 50 ns/DIV



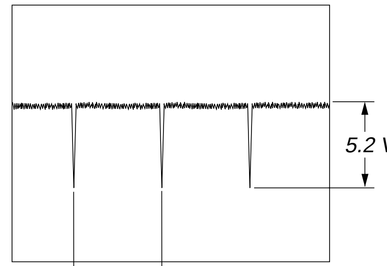
Approx. 136 mVp-p

❺ IC501 ⑲ (CLK), IC502 ⑰ (CLK0)
(CD PLAY mode)
5 V/DIV, 10 µs/DIV



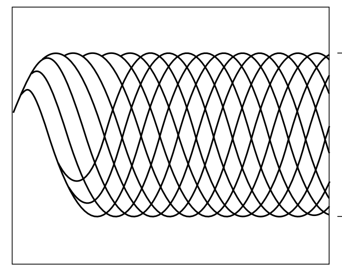
5.4 Vp-p
14.3 µs

❻ IC501 ⑳ (XLT), IC502 ⑱ (XLT0)
(CD PLAY mode)
5 V/DIV, 200 ns/DIV



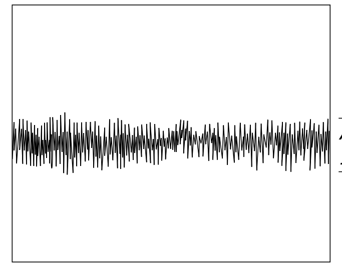
5.2 Vp-p
102 ns

❼ IC501 ㉛ (RF O), IC502 ㊳ (RF)
(CD PLAY mode)
200 mV/DIV, 500 ns/DIV



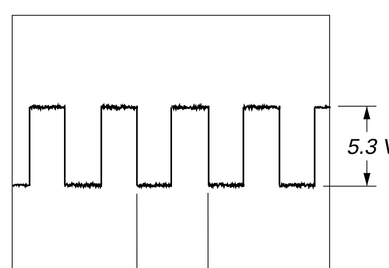
1.3 ± 0.5 Vp-p

❽ IC501 ㊷ (TEO) (CD PLAY mode)
100 mV/DIV, 500 ns/DIV



Approx. 144 mVp-p

❾ IC502 ㊹ LRCK (CD PLAY mode)
2 V/DIV, 10 µs/DIV



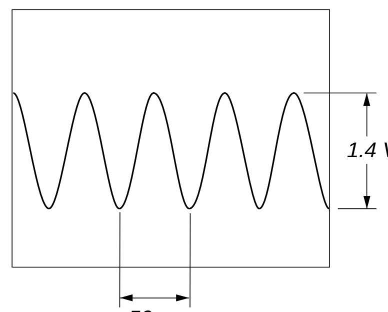
5.3 Vp-p
22.8 µs

❿ IC502 ㊻ (BCK) (CD PLAY mode)
2 V/DIV, 200 ns/DIV



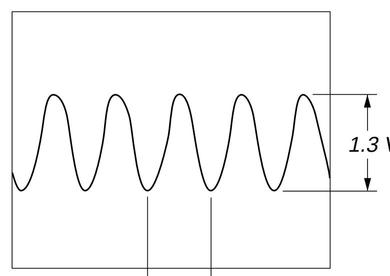
5.3 Vp-p
472 ns

⓫ IC502 ⑲ (XTAI) (CD PLAY mode)
500 mV/DIV, 50 ns/DIV



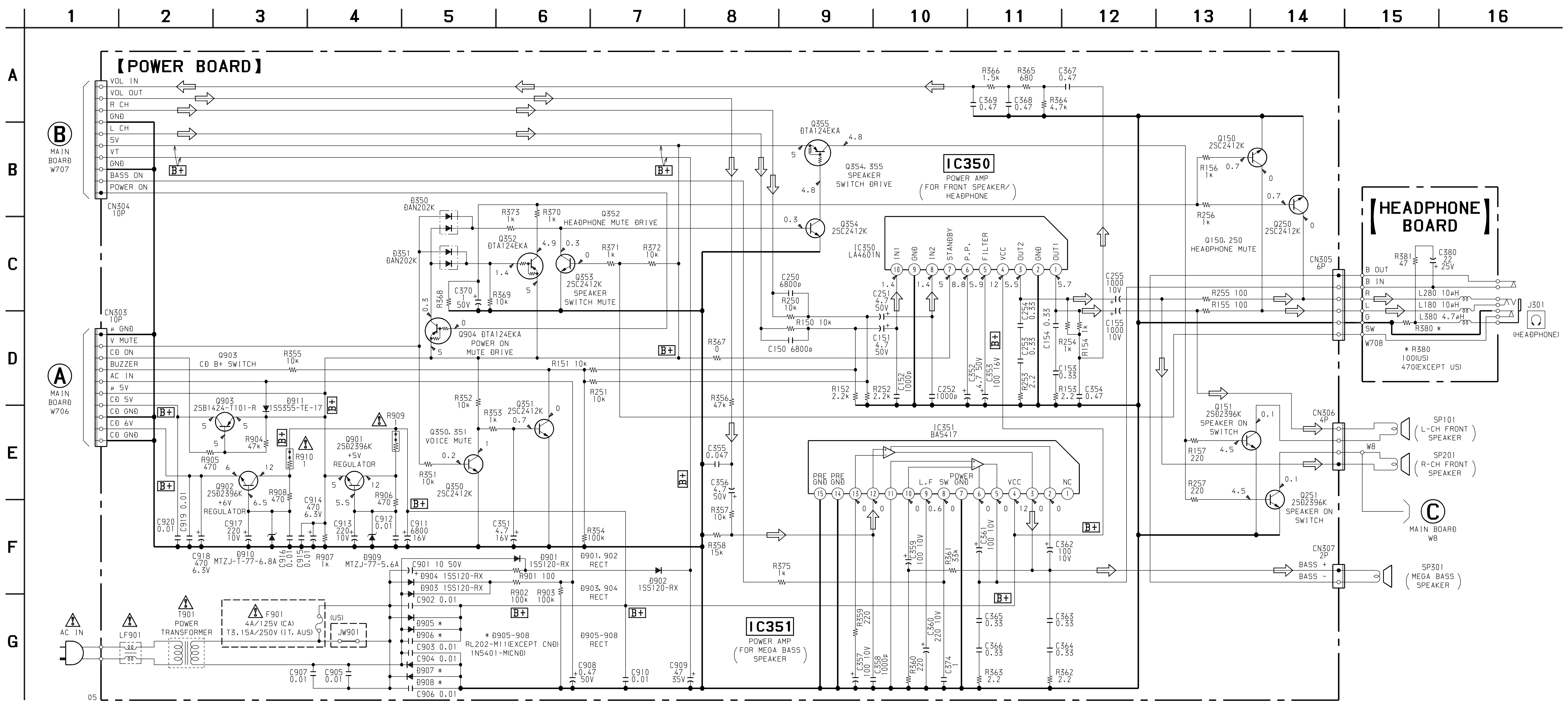
1.4 Vp-p
59 ns

⓬ IC50 ① (XOUT) (RADIO ON mode)
500 mV/DIV, 10 µs/DIV



1.3 Vp-p
13.3 µs

6-6. SCHEMATIC DIAGRAM – POWER SUPPLY Section – • See page 40 for IC Block Diagram.



Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- : fusible resistor.
- : panel designation.

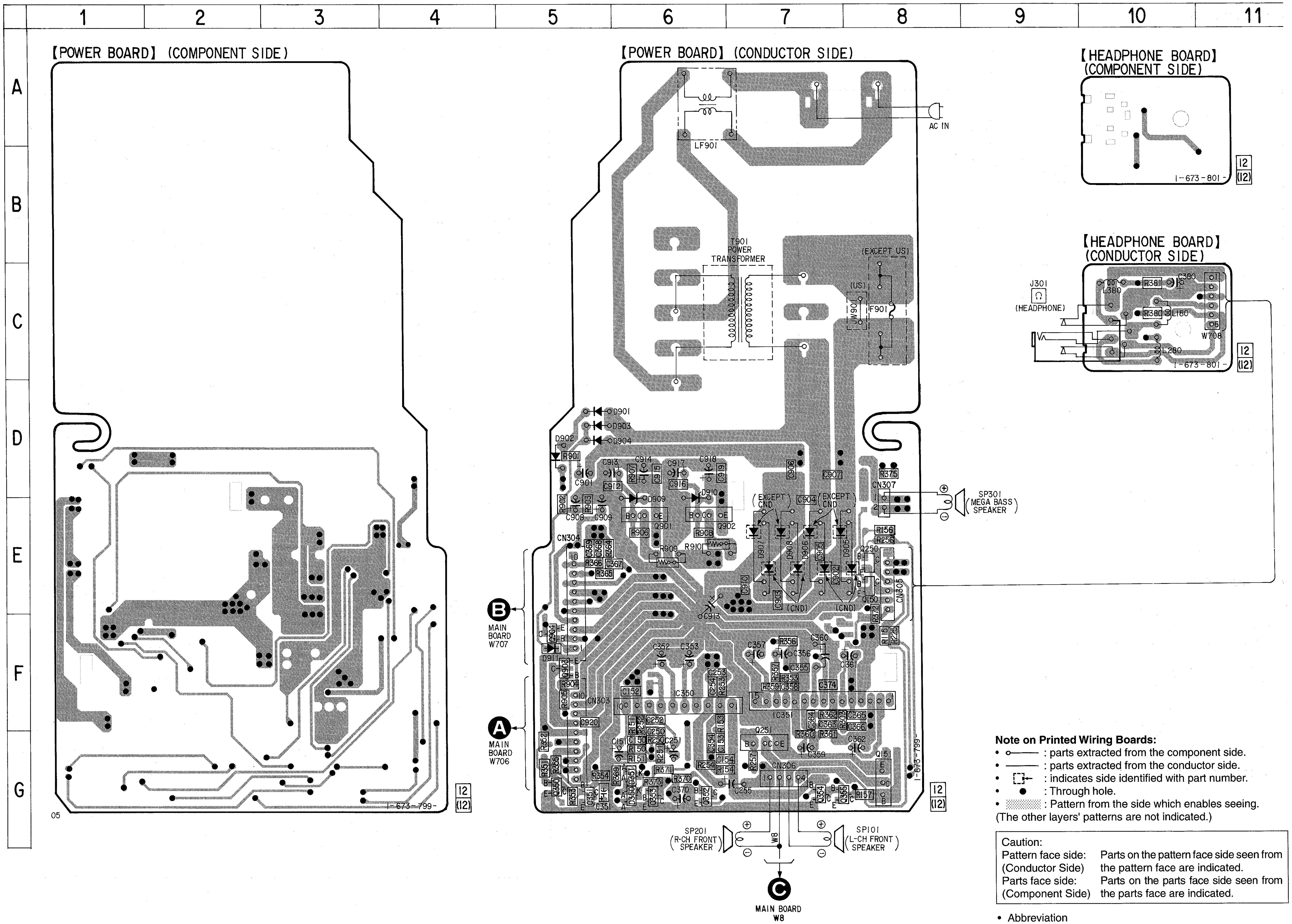
Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- B+ : B+ Line.
- Voltages are dc with respect to ground under no-signal conditions.
  no mark : STANDBY
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  AUS : Australian model
  CND : Canadian model
  IT : Italian model

6-7. PRINTED WIRING BOARD – POWER SUPPLY Section – • See page 23 for Circuit Boards Location.

• **Semiconductor Location**

Ref. No.	Location
D350	G-6
D351	G-6
D901	D-5
D902	D-5
D903	D-5
D904	D-5
D905	E-7
D906	E-7
D907	E-7
D908	E-7
D909	E-6
D910	E-6
D911	F-5
IC350	F-6
IC351	F-7
Q150	E-8
Q151	G-8
Q250	E-8
Q251	G-7
Q350	G-5
Q351	G-5
Q352	G-6
Q353	G-6
Q354	G-7
Q355	G-7
Q901	E-6
Q902	E-6
Q903	F-5
Q904	F-5



Note on Printed Wiring Boards:

- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- [ ]← : indicates side identified with part number.
- ● : Through hole.
- ░░ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

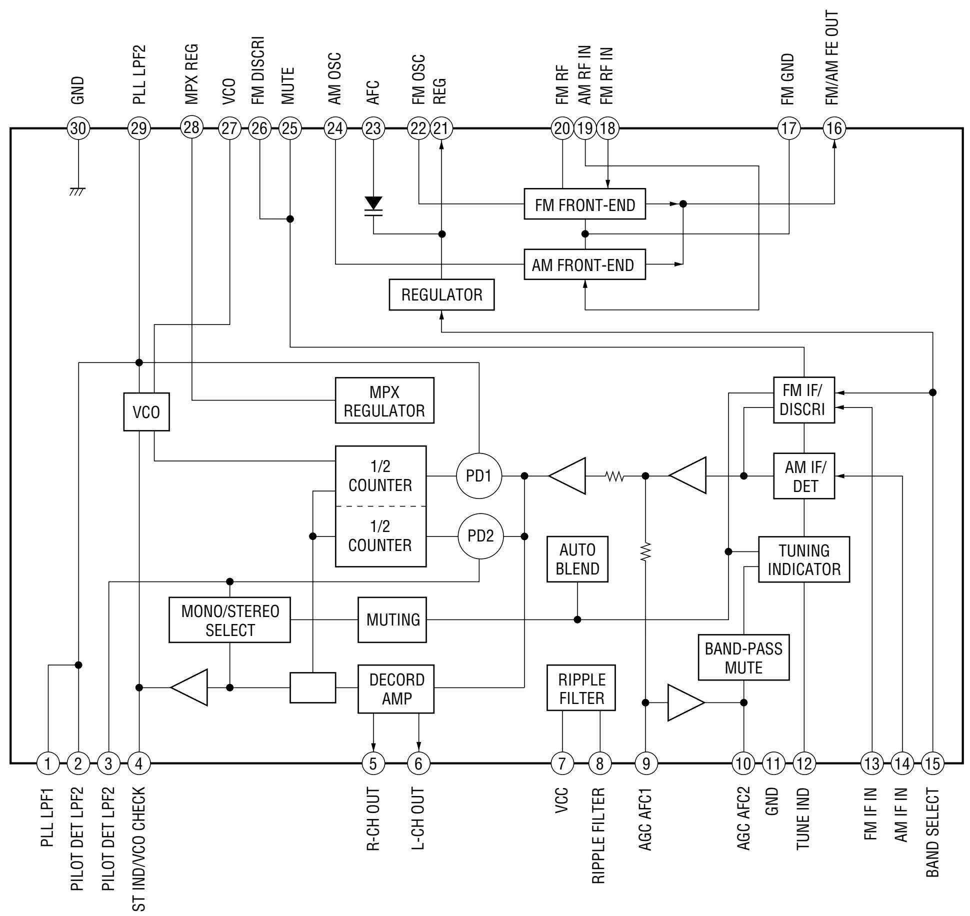
• Abbreviation

AUS : Australian model
CND : Canadian model
IT : Italian model

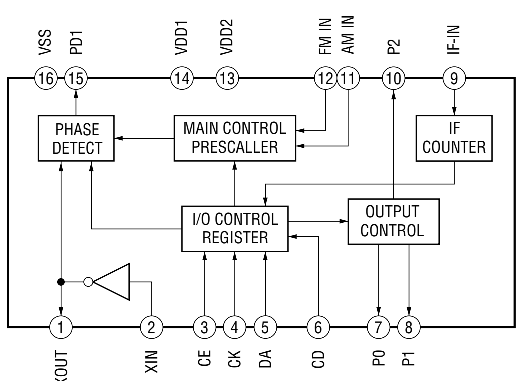
- **IC Block Diagrams**

– MAIN Board –

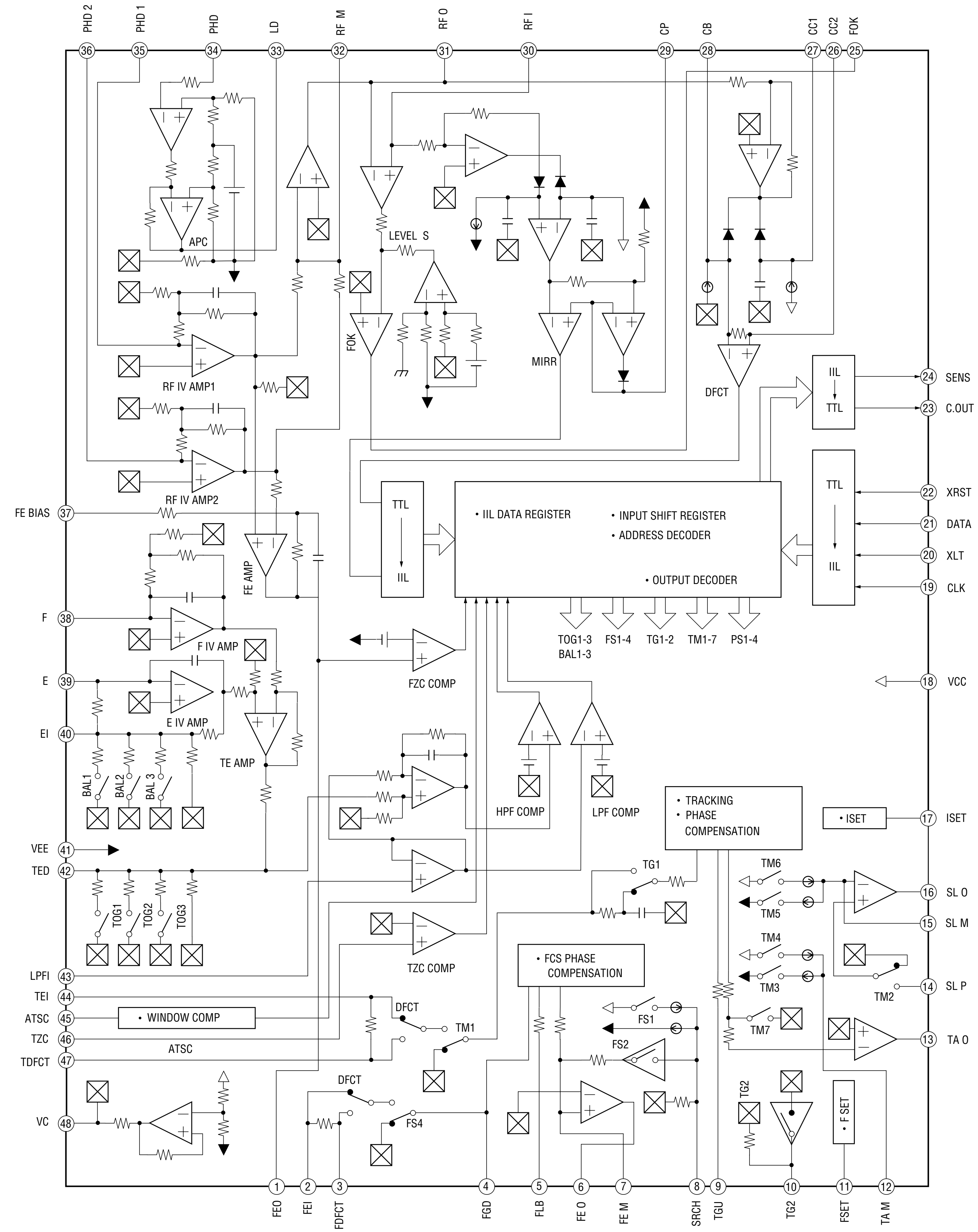
IC1 CXA1238M-T6



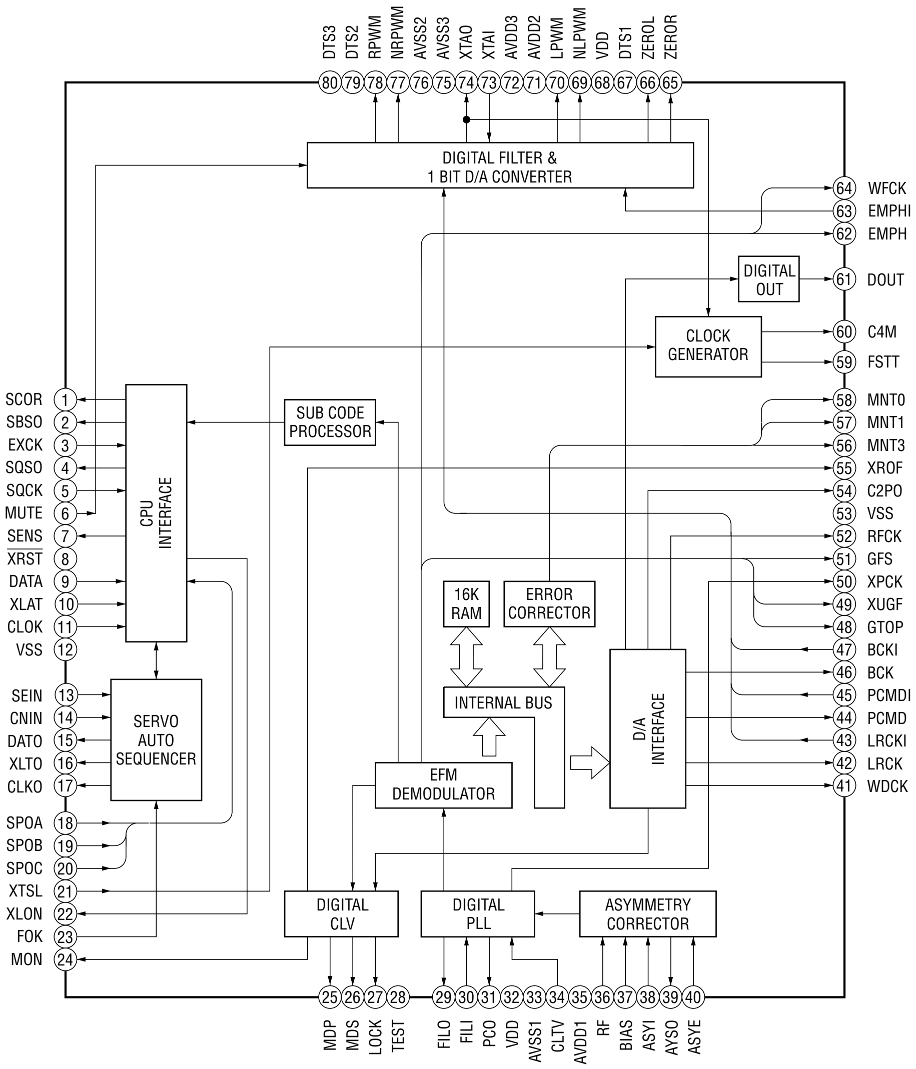
IC50 BU2614FS



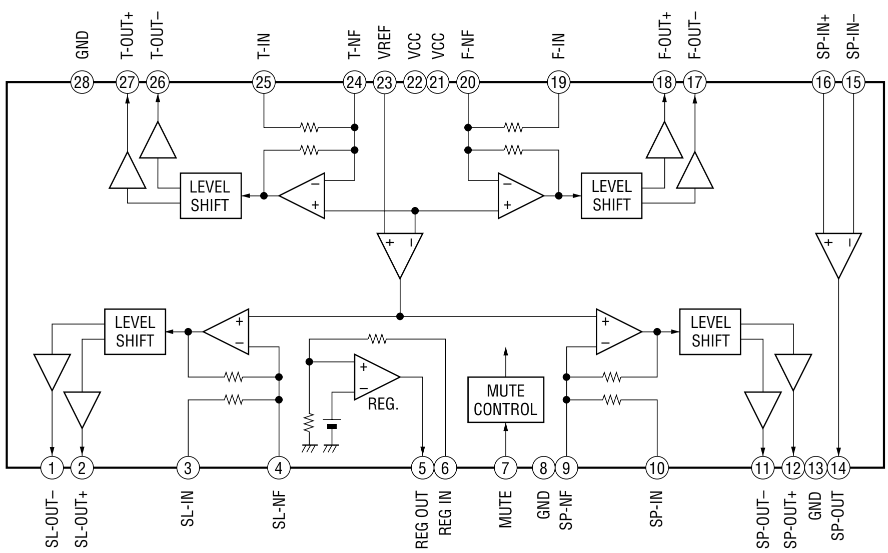
IC501 CXA1782CQ



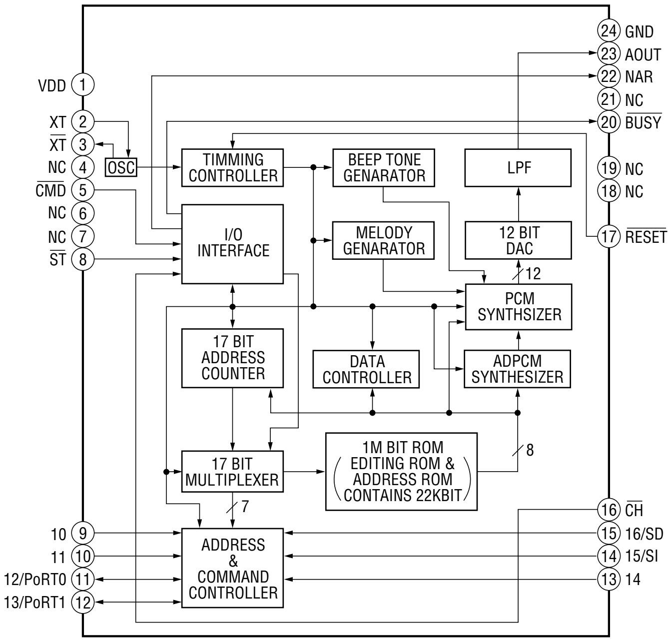
IC502 CXD2508AQ



IC503 BA5930FP

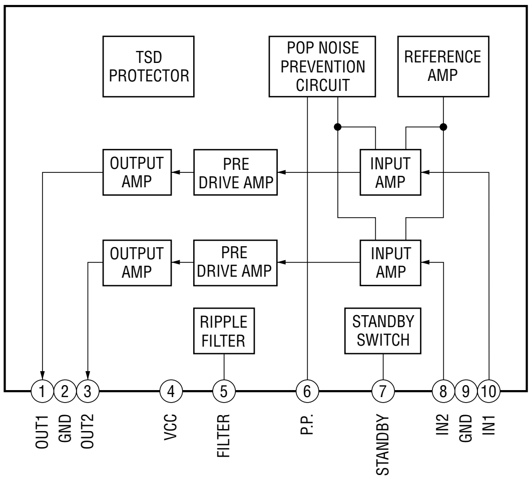


IC601 MSM6654A-542GS-KR1 (US model)



– POWER Board –

IC350 LA4601N



6-8. IC PIN FUNCTION DESCRIPTION

• MAIN BOARD IC401 µPD753012AGC-F17-3B9 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1 to 10	SEG12 to SEG21	O	Segment drive signal output to the liquid crystal display (LCD401)
11, 12	SEG22, SEG23	O	Segment drive signal output terminal Not used (open)
13 to 16	KS0 to KS3	O	Key strobe signal output to the key matrix
17	VERSION1	O	Initialize destination output terminal
18	VERSION2	O	Initialize destination output terminal Not used (open)
19	ALARM	O	Alarm data output terminal Used for the US model only
20	BASS ON	O	Mega bass on/off selection signal output to the mega bass power amplifier (IC351) "L": mega bass on
21 to 23	COM0 to COM2	O	Common drive signal output to the liquid crystal display (LCD401)
24	COM3	O	Common drive signal output terminal Not used (open)
25	BIAS	O	Bias output for the liquid crystal display drive
26 to 28	VLC0 to VLC2	—	Terminal for doubler circuit capacitor connection to develop liquid crystal display drive voltage
29	CD ADJ	I/O	At initial mode: Setting terminal for the test mode (manual mode) "L": manual mode At normal mode: E-F balance control signal output to the CXA1782BQ (IC501) "H" active
30	CLOCK	O	Serial data transfer clock signal output to the CXD2508AQ (IC502)
31	XLT	O	Serial data latch pulse signal output to the CXD2508AQ (IC502)
32	DATA	O	Serial data output to the CXD2508AQ (IC502)
33	VSS	—	Ground terminal
34	$\overline{\text{X-RESET}}$	O	System reset signal output to the CXA1782BQ (IC501), CXD2508AQ (IC502) and BA6196FP (IC503) "L": reset
35	POWER ON	O	Front side speaker on/off selection signal output terminal "L": speaker on
36	CD ON	I/O	At initial mode: Setting terminal for the test mode (auto mode) "L": auto mode At normal mode: Power on/off control signal output for the CD +5V power supply "L": CD power on
37	R-LAT	O	PLL serial data latch pulse signal output to the FM/AM PLL (IC50)
38	AC IN	I	Power failure detection input terminal "L": power failure, "H": power on
39	CK	O	At CD mode: Subcode Q data reading clock signal output to the CXD2508AQ (IC502) At tuner mode: PLL serial data transfer clock signal output to the FM/AM PLL (IC50)
40	DATA	O	PLL serial data output to the FM/AM PLL (IC50)
41	SQSI	I	Subcode Q data (80 bit serial) input from the CXD2508AQ (IC502)
42	SENS	I	Internal status signal (sense signal) input from the CXD2508AQ (IC502)
43	CIN	I	Track jump count detect signal input from the CXA1782BQ (IC501)
44	SCOR	I	Subcode sync (S0+S1) detection signal input from the CXD2508AQ (IC502)
45	AUTO/MANU	I	Setting terminal for the CD adjustment mode (auto mode/manual mode) "L": auto mode, "H": manual mode (fixed at "L")
46	DATA	O	Serial data output to the CSV (Computer Sound Voice) processor (IC601) Used for the US model only Except US model: Not used (open)
47	CLK	O	Serial data transfer clock signal output to the CSV (Computer Sound Voice) processor (IC601) Used for the US model only Except US model: Not used (open)
48	LAT	O	Serial data latch pulse signal output to the CSV (Computer Sound Voice) processor (IC601) Used for the US model only Except US model: Not used (open)
49	BUZZER	O	Buzzer sound drive signal output terminal
50	$\overline{\text{V-RESET}}$	O	Reset signal output to the CSV (Computer Sound Voice) processor (IC601) "L": reset Used for the US model only Except US model: Not used (open)
51	NAR	I	"H" is input when CSV (Computer Sound Voice) processor (IC601) sends data Used for the US model only Except US model: Not used (open)
52	V MUTE	O	Voice muting on/off selection signal output terminal "H": muting on

Pin No.	Pin Name	I/O	Description
53	A MUTE	O	Audio line muting on/off selection signal output terminal "L": muting on
54	VDD	—	Power supply terminal (+5V)
55	XT1	I	Sub system clock input terminal (32.768 kHz)
56	XT2	O	Sub system clock output terminal (32.768 kHz)
57	IC	—	Internal connection terminal (connected to power supply)
58	X1	I	Main system clock input terminal (4.194MHz)
59	X2	O	Main system clock output terminal (4.194MHz)
60	SHIFT CK	O	Shift clock output of the main system clock (4.194 MHz) "H" active
61	BUSY/COLOR	I/O	US model: Busy status monitor input from the CSV (Computer Sound Voice) processor (IC601) "L": busy status Except US model: LCD back light color selection signal output terminal "L": amber, "H": green
62	DOOR-IN	I	CD lid open/close detection switch (S424) input terminal "L": CD lid is closed
63	KEYRET0	I	US model: Key return signal input from the key matrix Talk 1 (sound mode is buzzer) is input when alarm is turned on Except US model: Key return signal input from the key matrix
64	KEYRET1	I	US model: Key return signal input from the key matrix Talk 2 (sound mode is bird) is input when alarm is turned on Except US model: Key return signal input from the key matrix
65	KEYRET2	I	US model: Key return signal input from the key matrix Talk 3 (sound mode is river) is input when alarm is turned on Except US model: Key return signal input from the key matrix
66, 67	KEYRET3, KEYRET4	I	Key return signal input from the key matrix
68	$\overline{\text{RESET}}$	I	System reset signal input from the reset signal generator (IC402) "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
69	SEG0	O	Segment drive signal output terminal Not used (open)
70 to 80	SEG1 to SEG11	O	Segment drive signal output to the liquid crystal display (LCD401)

SECTION 7
EXPLODED VIEWS

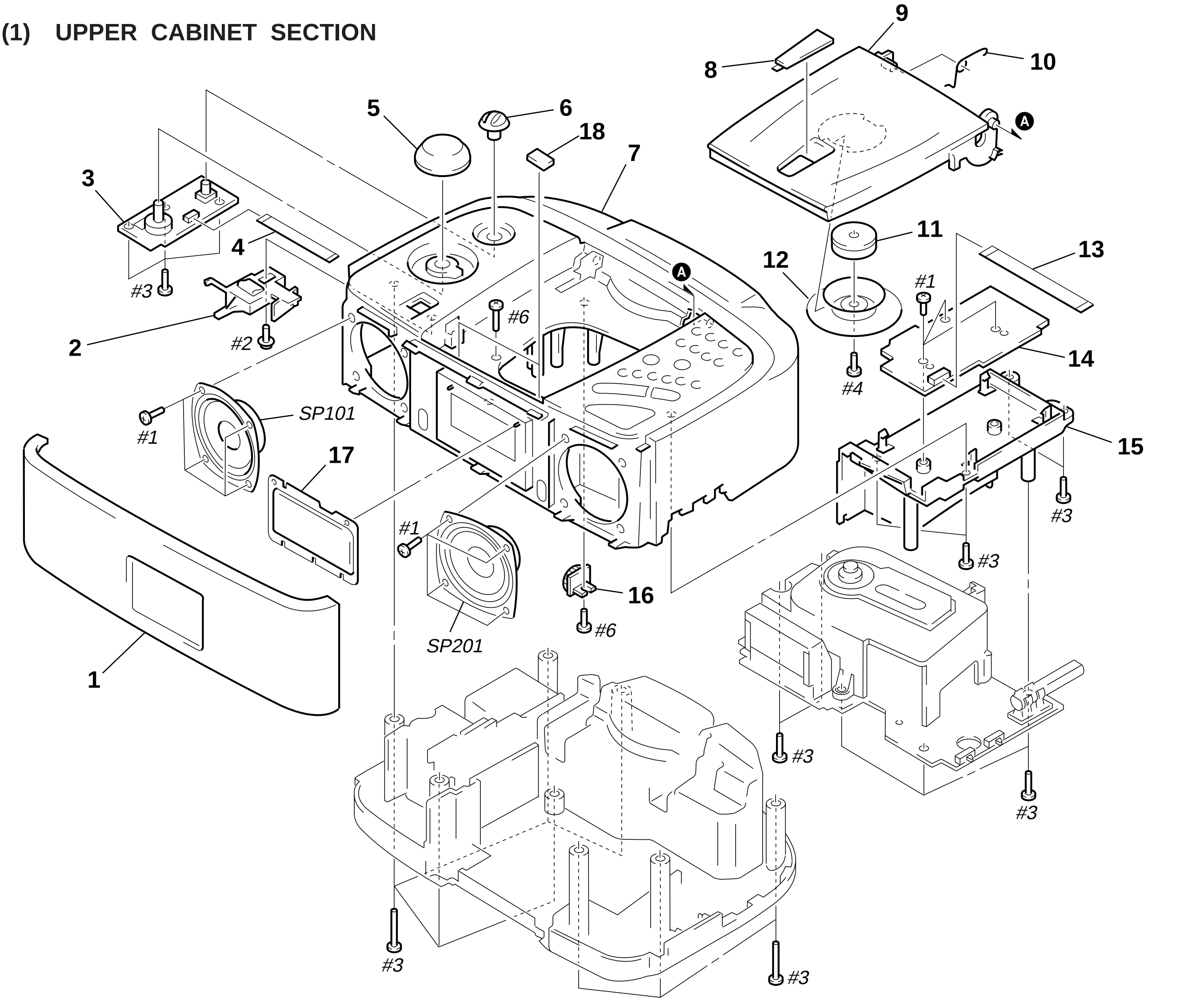
NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  AUS : Australian model IT: Italian model
  CND : Canadian model

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

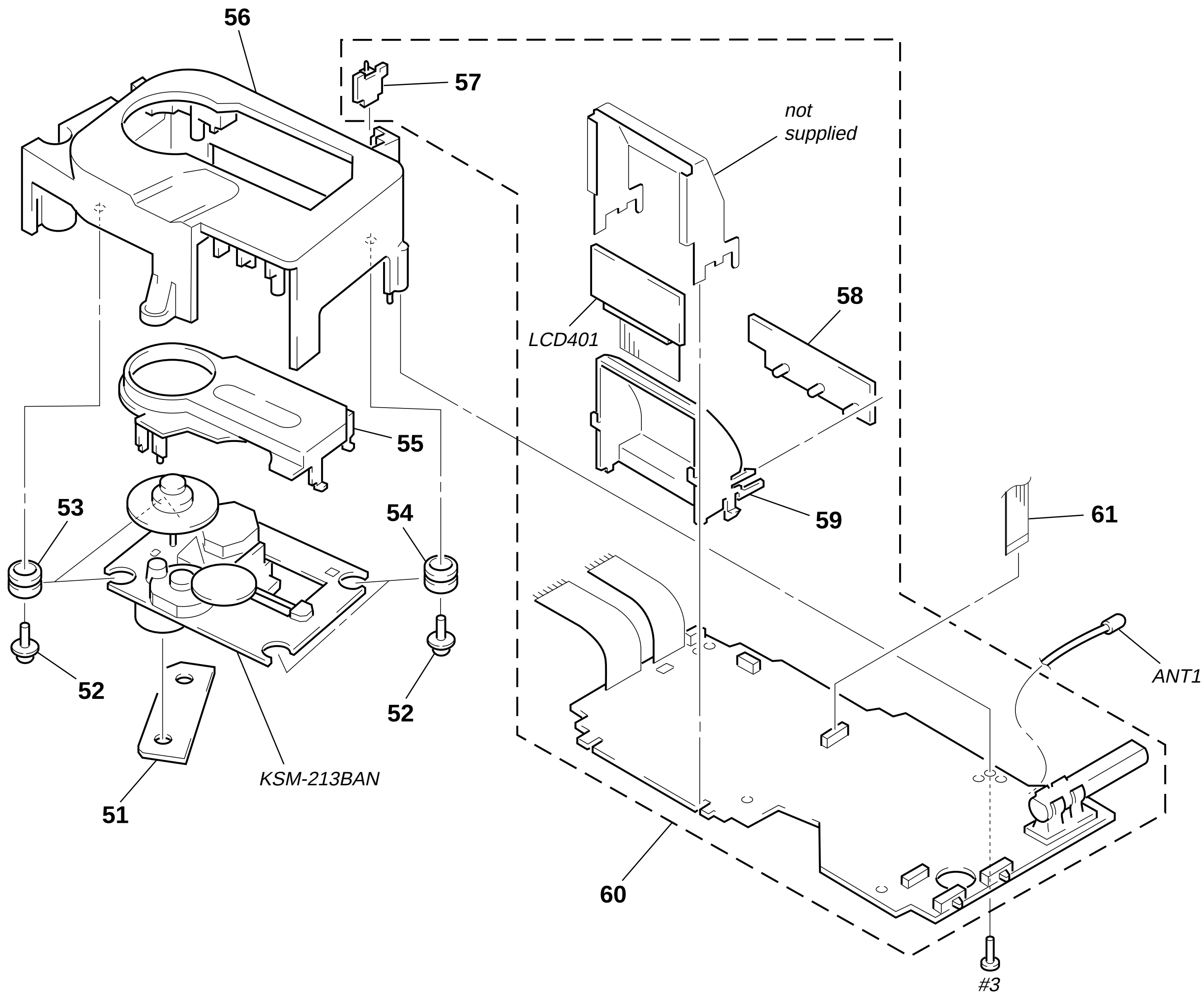
Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

(1) UPPER CABINET SECTION



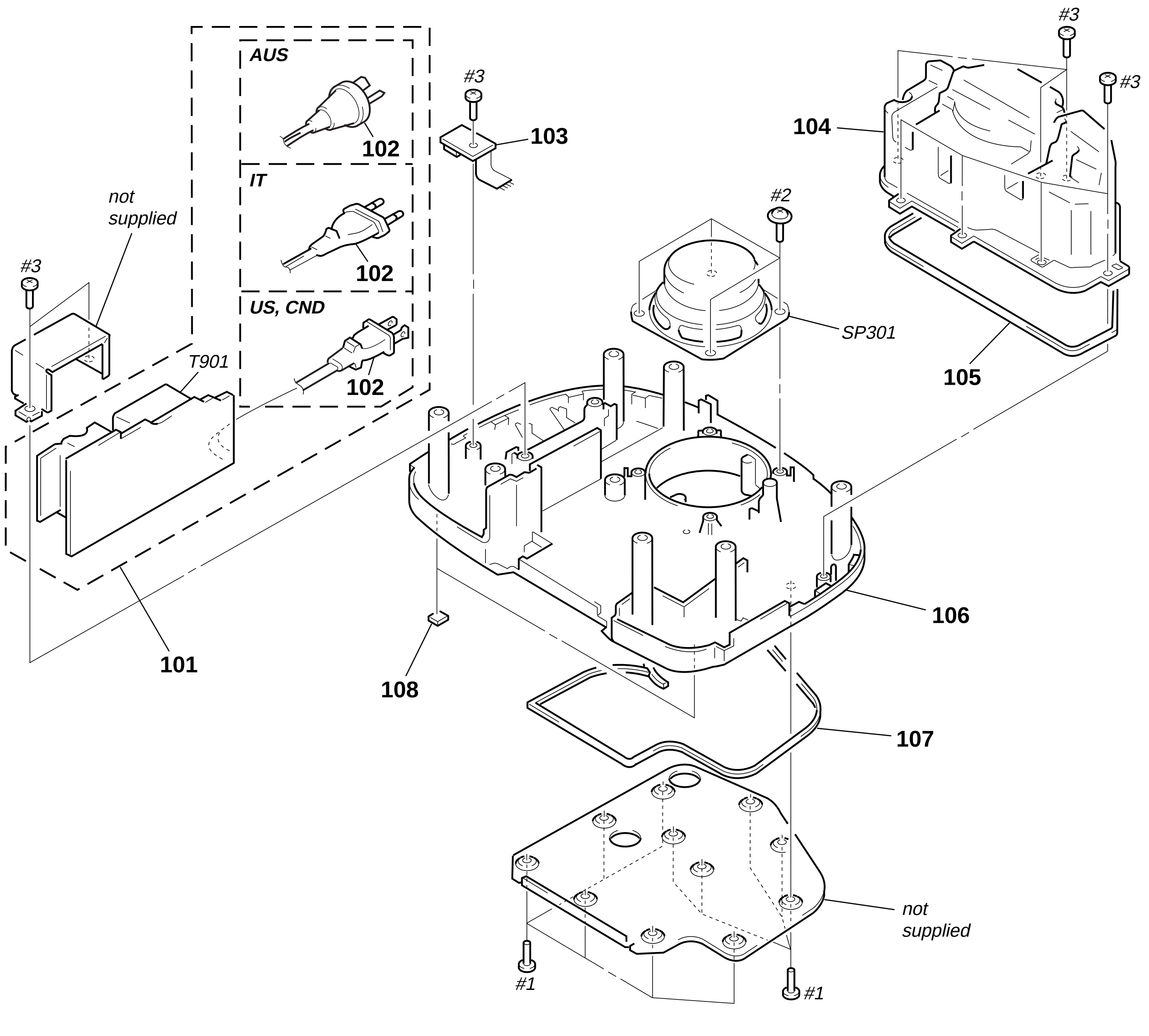
Ref. No.	Part No.	Description	Remark
1	X-3377-171-1	NET ASSY (DARK BLUE)	
1	X-3377-172-1	NET ASSY (RED) (IT)	
2	3-034-584-01	BUTTON (OPEN) (DARK GRAY) (US)	
2	3-034-584-11	BUTTON (OPEN) (LIGHT GRAY) (CND, IT, AUS)	
* 3	1-673-800-11	VOLUME BOARD	
4	1-790-755-11	WIRE (FLAT TYPE) (7 CORE)	
5	3-034-585-01	KNOB (VOL) (DARK GRAY) (US)	
5	3-034-585-11	KNOB (VOL) (LIGHT GRAY) (CND, IT, AUS)	
6	3-034-586-01	KNOB (MEGABASS) (DARK GRAY) (US)	
6	3-034-586-11	KNOB (MEGABASS) (LIGHT GRAY) (CND, IT, AUS)	
7	X-3377-456-1	CABINET (UPPER) ASSY (DARK GRAY) (US)	
7	X-3377-457-1	CABINET (UPPER) ASSY (LIGHT GRAY) (CND, IT, AUS)	
8	3-034-589-01	WINDOW (CD)	
9	3-034-579-01	LID, CD (DARK GRAY) (US)	
9	3-034-579-11	LID, CD (LIGHT GRAY) (CND, IT, AUS)	
10	3-034-592-01	SPRING (CD OPEN)	
11	1-452-732-11	MAGNET	
12	3-910-112-01	PLATE, CHUCKING	
13	1-790-756-11	WIRE (FLAT TYPE) (10 CORE)	
* 14	A-3663-291-A	KEY BOARD, COMPLETE	
15	3-034-581-01	CHASSIS (BUTTON)	
16	3-351-377-01	DAMPER	
17	3-034-588-01	WINDOW (CLOCK) (for DARK GRAY) (US)	
17	3-034-588-11	WINDOW (CLOCK) (for LIGHT GRAY) (CND, IT, AUS)	
18	3-037-757-01	CUSHON (LID)	
SP101	1-529-354-11	SPEAKER (6.6cm) (L ch)	
SP201	1-529-354-11	SPEAKER (6.6cm) (R ch)	

(2) MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark
* 51	1-673-804-11	MOTOR BOARD	
52	3-921-725-01	SCREW (2.6X10), +PWH	
53	3-910-095-31	RUBBER, VIBRATION PROOF (GREEN)	
54	3-931-379-01	RUBBER, VIBRATION PROOF (RED)	
55	3-910-116-01	COVER, CD	
56	3-034-580-01	CHASSIS (CD)	
* 57	1-673-802-11	PUSH SWITCH BOARD	
* 58	1-673-803-11	LED BOARD	
59	3-034-587-01	HOLDER (LCD)	
* 60	A-3683-082-A	MAIN BOARD, COMPLETE (US)	
* 60	A-3683-092-A	MAIN BOARD, COMPLETE (IT)	
* 60	A-3683-095-A	MAIN BOARD, COMPLETE (CND)	
* 60	A-3683-097-A	MAIN BOARD, COMPLETE (AUS)	
61	1-769-824-11	WIRE (FLAT TYPE) (16 CORE)	
ANT1	1-501-907-21	ANTENNA, FM WIRE	
LCD401	1-803-590-11	DISPLAY PANEL, LIQUID CRYSTAL	

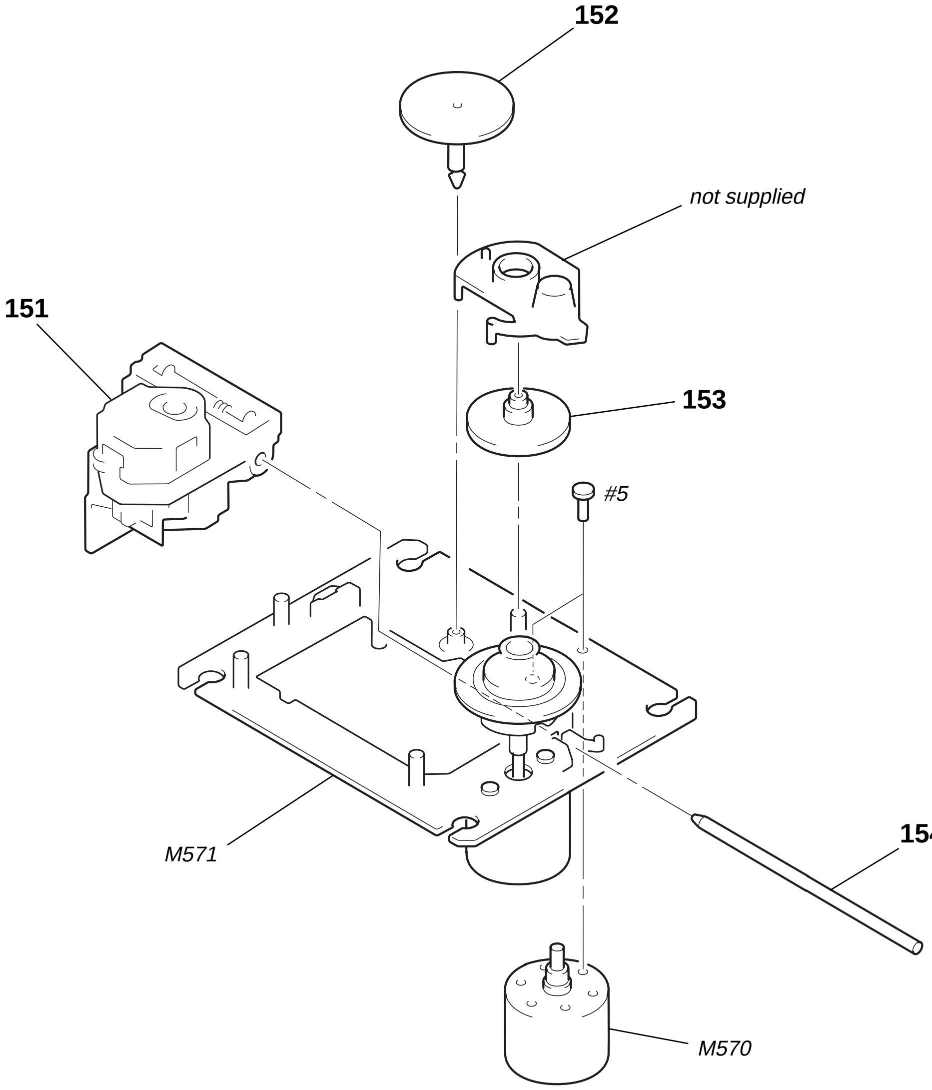
(3) LOWER CABINET SECTION



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
* 101	A-3683-083-A	POWER BOARD, COMPLETE (US)	
* 101	A-3683-094-A	POWER BOARD, COMPLETE (IT)	
* 101	A-3683-096-A	POWER BOARD, COMPLETE (CND)	
* 101	A-3683-098-A	POWER BOARD, COMPLETE (AUS)	
⚠102	1-555-795-00	CORD, POWER (IT)	
⚠102	1-783-817-11	CORD, POWER (US, CND)	
⚠102	1-790-431-11	CORD, POWER (AUS)	
* 103	1-673-801-11	HEADPHONE BOARD	
104	3-034-582-01	COVER (SP)	
105	3-035-978-01	RUBBER (B)	
106	3-034-577-01	CABINET (LOWER) (DARK GRAY) (US)	
106	3-034-577-11	CABINET (LOWER) (LIGHT GRAY) (CND, IT, AUS)	
107	3-035-977-01	RUBBER (A)	
108	3-368-852-01	FOOT	
SP301	1-529-355-11	SPEAKER (9.2cm)	
⚠T901	1-449-199-11	TRANSFORMER, POWER (US)	
⚠T901	1-449-200-11	TRANSFORMER, POWER (IT)	
⚠T901	1-449-202-11	TRANSFORMER, POWER (AUS)	
⚠T901	1-449-350-11	TRANSFORMER, POWER (CND)	

(4) OPTICAL PICK-UP SECTION (KSM-213BAN)



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
⚠151	8-848-379-31	OPTICAL PICK-UP KSS-213B	
152	2-626-907-01	GEAR (A)	
153	2-627-003-02	GEAR (B) (RP)	
154	2-626-908-01	SHAFT, SLED	
M570	X-2625-769-1	GEAR ASSY (MB), MOTOR (SLED)	
M571	X-2625-770-2	CHASSIS ASSY (MB), (RP) (SPINDLE)	

SECTION 8
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Abbreviation
  AUS : Australian model
  CND : Canadian model
  IT : Italian model
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
*	1-673-801-12	HEADPHONE BOARD			
		*****************			
		<CAPACITOR>			
C380	1-128-551-11	ELECT	22uF	20%	63V
		<JACK>			
J301	1-568-267-11	JACK (🎧 (HEADPHONE))			
		<COIL>			
L180	1-410-526-11	INDUCTOR	10uH		
L280	1-410-526-11	INDUCTOR	10uH		
L380	1-412-496-51	INDUCTOR	4.7uH		
		<RESISTOR>			
R380	1-216-025-00	RES, CHIP	100	5%	1/10W (US)
R380	1-216-041-00	METAL CHIP	470	5%	1/10W (EXCEPT US)
R381	1-216-017-00	RES, CHIP	47	5%	1/10W

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Ref. No.	Part No.	Description			Remark
*	A-3663-291-A	KEY BOARD, COMPLETE			
		*********************			
		< CAPACITOR >			
C455	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C456	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C457	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C458	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C459	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
CN402	1-793-080-11	CONNECTOR, FFC/FPC 10P			
		< RESISTOR >			
R491	1-216-073-00	METAL CHIP	10K	5%	1/10W
R492	1-216-073-00	METAL CHIP	10K	5%	1/10W
R493	1-216-073-00	METAL CHIP	10K	5%	1/10W
R494	1-216-073-00	METAL CHIP	10K	5%	1/10W
R495	1-216-073-00	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
S401	1-554-937-11	SWITCH, KEY BOARD (VOICE ON/OFF) (US) (BACK LIGHT GREEN/AMBER) (EXCEPT US)	
S402	1-554-937-11	SWITCH, KEY BOARD (ALARM MODE)	
S403	1-554-937-11	SWITCH, KEY BOARD (CD PLAY MODE)	
S404	1-554-937-11	SWITCH, KEY BOARD (D.S.T. SUMMER T.)	
S405	1-554-937-11	SWITCH, KEY BOARD (WAKE UP TRACK)	
S406	1-554-937-11	SWITCH, KEY BOARD (ALARM A)	
S407	1-554-937-11	SWITCH, KEY BOARD (ALARM B)	
S408	1-554-937-11	SWITCH, KEY BOARD (CLOCK)	
S409	1-554-937-11	SWITCH, KEY BOARD (TUNE/TIME SET - ⏮)	
S410	1-554-937-11	SWITCH, KEY BOARD (2)	
S411	1-554-937-11	SWITCH, KEY BOARD (BAND)	
S412	1-554-937-11	SWITCH, KEY BOARD (1)	
S413	1-554-937-11	SWITCH, KEY BOARD (TUNE/TIME SET + ⏭)	
S414	1-554-937-11	SWITCH, KEY BOARD (3)	
S415	1-554-937-11	SWITCH, KEY BOARD (4)	
S416	1-554-937-11	SWITCH, KEY BOARD (5)	
S417	1-554-937-11	SWITCH, KEY BOARD (▷II CD)	
S418	1-554-937-11	SWITCH, KEY BOARD (RADIO, SLEEP)	
S419	1-554-937-11	SWITCH, KEY BOARD (OFF, ALARM RESET)	
S420	1-554-937-11	SWITCH, KEY BOARD (SNOOZE/TIME REPORT) (US) (SNOOZE/SLEEP OFF) (EXCEPT US)	

****

Ref. No.	Part No.	Description	Remark
*	1-673-803-12	LED BOARD	
		**********	
		(Included in MAIN BOARD, COMPLETE)	
		< DIODE >	
D419	8-719-075-78	LED TLYE262 (K51.SOY.P) (LCD BACK LIGHT)	
D420	8-719-075-78	LED TLYE262 (K51.SOY.P) (LCD BACK LIGHT)	
D421	8-719-075-78	LED TLYE262 (K51.SOY.P) (LCD BACK LIGHT)	
D422	8-719-056-07	LED SLR-342MC3F (LCD BACK LIGHT)	(EXCEPT US)
D423	8-719-056-07	LED SLR-342MC3F (LCD BACK LIGHT)	(EXCEPT US)
D424	8-719-056-07	LED SLR-342MC3F (LCD BACK LIGHT)	(EXCEPT US)

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R483	1-216-041-00	METAL CHIP	470	5%	1/10W
R484	1-216-041-00	METAL CHIP	470	5%	1/10W
R485	1-216-041-00	METAL CHIP	470	5%	1/10W
R486	1-216-025-00	RES, CHIP	100	5%	1/10W (EXCEPT US)
R487	1-216-025-00	RES, CHIP	100	5%	1/10W (EXCEPT US)
R488	1-216-025-00	RES, CHIP	100	5%	1/10W (EXCEPT US)

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Ref. No.	Part No.	Description			Remark
*	A-3683-082-A	MAIN BOARD, COMPLETE (US)			
*	A-3683-092-A	MAIN BOARD, COMPLETE (IT)			
*	A-3683-095-A	MAIN BOARD, COMPLETE (CND)			
*	A-3683-097-A	MAIN BOARD, COMPLETE (AUS)			
		**********************			
		(Including LED/PUSH SWITCH BOARDS)			
	3-034-587-01	HOLDER (LCD)			
		< BAND PASS FILTER >			
BPF1	1-236-711-21	BAND PASS FILTER			
		< CAPACITOR >			
C1	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C2	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C3	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C4	1-163-220-11	CERAMIC CHIP	3PF	0.25PF	50V
C5	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C9	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C10	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C12	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C13	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C16	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C17	1-104-664-11	ELECT	47uF	20%	16V
C18	1-124-257-00	ELECT	2.2uF	20%	50V
C19	1-124-584-00	ELECT	100uF	20%	10V
C20	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C21	1-126-163-11	ELECT	4.7uF	20%	50V
C22	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C23	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C24	1-126-963-11	ELECT	4.7uF	20%	50V
C25	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C26	1-104-664-11	ELECT	47uF	20%	16V
C27	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C28	1-104-664-11	ELECT	47uF	20%	16V
C29	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C30	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C31	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C32	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C36	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C50	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C51	1-126-964-11	ELECT	10uF	20%	50V
C52	1-126-963-11	ELECT	4.7uF	20%	50V
C53	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C54	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C55	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C56	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C57	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C58	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C59	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C60	1-136-171-00	FILM	0.33uF	5%	50V
C61	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C62	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C63	1-126-947-11	ELECT	47uF	20%	35V
C64	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C65	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C66	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C67	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C101	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C102	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C103	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C104	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C105	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C120	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C121	1-126-963-11	ELECT	4.7uF	20%	50V
C201	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C202	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C203	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C204	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C205	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C220	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C221	1-126-963-11	ELECT	4.7uF	20%	50V
C301	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C302	1-126-934-11	ELECT	220uF	20%	10V
C303	1-126-382-11	ELECT	100uF	20%	16V
C320	1-126-964-11	ELECT	10uF	20%	50V (EXCEPT US)
C320	1-128-551-11	ELECT	22uF	20%	25V (US)
C321	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C322	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C323	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C324	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C401	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C402	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C403	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C407	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C408	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C409	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C410	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C411	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C412	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C413	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C420	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C421	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C423	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C424	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C425	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C426	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C427	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C428	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C429	1-126-924-11	ELECT	330uF	20%	6.3V
C432	1-126-935-11	ELECT	470uF	20%	6.3V
C433	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C434	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V

Ref. No.	Part No.	Description			Remark
C435	1-124-584-00	ELECT	100uF	20%	10V
C436	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C437	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C438	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C439	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C444	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C445	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C464	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C465	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C467	1-163-227-11	CERAMIC CHIP	10pF	0.5PF	50V
C468	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C470	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C471	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C472	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C473	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C501	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C502	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C503	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C504	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C505	1-126-963-11	ELECT	4.7uF	20%	50V
C506	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C507	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C508	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C509	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C510	1-126-963-11	ELECT	4.7uF	20%	50V
C511	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C512	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C513	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C514	1-104-665-11	ELECT	100uF	20%	10V
C515	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C516	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C517	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C518	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C519	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C520	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C521	1-163-085-00	CERAMIC CHIP	2PF		50V
C522	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C523	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C524	1-104-664-11	ELECT	47uF	20%	16V
C525	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C526	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C527	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C528	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C529	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C530	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C531	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C532	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C533	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C534	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C535	1-104-665-11	ELECT	100uF	20%	10V
C536	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C537	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C538	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C539	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C540	1-104-665-11	ELECT	100uF	20%	10V
C541	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C542	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C543	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V

Ref. No.	Part No.	Description			Remark
C544	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C545	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C546	1-126-382-11	ELECT	100uF	20%	16V
C547	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C548	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C549	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C550	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C551	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C552	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C553	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C554	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C555	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C556	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C557	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C558	1-104-665-11	ELECT	100uF	20%	10V
C559	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C560	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C561	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C562	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C563	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C564	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C565	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C566	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C567	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C568	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C601	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V (US)
C602	1-126-934-11	ELECT	220uF	20%	10V (US)
C603	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V (US)
C604	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V (US)
C605	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V (US)
C606	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V (US)
C607	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (US)
C608	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V (US)
C609	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V (US)
		< FILTER >			
* CF1	1-577-319-11	FILTER, CERAMIC			
CF2	1-760-238-11	FILTER, CERAMIC			
CF3	1-760-238-11	FILTER, CERAMIC			
		< CONNECTOR >			
CN301	1-695-330-31	PIN, CONNECTOR (PC BOARD) 7P			
* CN401	1-770-641-11	CONNECTOR, FFC/FPC 10P			
CN501	1-774-465-11	CONNECTOR, FFC/FPC 16P			
* CN502	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
		< TRIMMER >			
CT1	1-141-601-21	CAP, ADJ			
CT2	1-141-601-21	CAP, ADJ			
CT401	1-141-601-21	CAP, ADJ			

MAIN

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D1	8-719-800-76	DIODE 1SS226	
D2	8-713-100-11	DIODE 1T362	
D3	8-713-100-11	DIODE 1T362	
D5	8-719-072-59	DIODE SVC347S-TL	
D320	8-719-988-61	DIODE 1SS355TE-17	
D321	8-719-914-44	DIODE DAP202K	
D401	8-719-074-44	DIODE 1SS120RX	
D402	8-719-074-44	DIODE 1SS120RX	
D403	8-719-074-44	DIODE 1SS120RX	
D404	8-719-074-44	DIODE 1SS120RX	
D405	8-719-074-44	DIODE 1SS120RX (US)	
D406	8-719-074-44	DIODE 1SS120RX (US)	
D407	8-719-074-44	DIODE 1SS120RX (US)	
D408	8-719-988-61	DIODE 1SS355TE-17 (AUS)	
D409	8-719-988-61	DIODE 1SS355TE-17 (IT)	
D410	8-719-988-61	DIODE 1SS355TE-17 (US)	
D411	8-719-988-61	DIODE 1SS355TE-17 (CND)	
D414	8-719-988-61	DIODE 1SS355TE-17	
D415	8-719-074-44	DIODE 1SS120RX	
D416	8-719-988-61	DIODE 1SS355TE-17	
D417	8-719-988-61	DIODE 1SS355TE-17	
D501	8-719-074-44	DIODE 1SS120RX	
		< FERRITE BEAD >	
FB501	1-410-397-21	FERRITE BEAD INDUCTOR	
		< IC >	
IC1	8-752-062-48	IC CXA1238M-T6	
IC50	8-759-188-85	IC BU2614FS	
IC301	8-759-909-71	IC BA4558F	
IC320	8-759-008-67	IC MC14066BF	
IC401	8-759-587-54	IC uPD753012AGC-F17-3B9	
IC402	8-759-165-89	IC PST600L-T	
IC501	8-752-074-34	IC CXA1782CQ	
IC502	8-752-373-06	IC CXD2508AQ	
IC503	8-759-336-75	IC BA5930FP	
IC601	8-759-587-55	IC MSM6654A-542GS-KR1 (US)	
		< SHORT >	
JC401	1-216-295-00	SHORT 0 (US)	
JC501	1-216-295-00	SHORT 0	
		< COIL/SHORT >	
L1	1-406-545-11	COIL, AIR-CORE	
L2	1-406-546-11	COIL, AIR-CORE	
L3	1-754-064-11	ANTENNA, FERRITE-ROD (AM)	
L4	1-406-269-11	COIL (OSC)	
L5	1-412-959-11	INDUCTOR 47uH	
L50	1-412-959-11	INDUCTOR 47uH	
L51	1-412-951-11	INDUCTOR 10uH	
L301	1-412-496-51	INDUCTOR 4.7uH	
L302	1-414-235-11	INDUCTOR (US)	
L302	1-216-295-00	SHORT 0 (EXCEPT US)	
L401	1-410-526-11	INDUCTOR 10uH	
L501	1-412-496-51	INDUCTOR 4.7uH	
L502	1-410-526-11	INDUCTOR 10uH	
L503	1-410-526-11	INDUCTOR 10uH	
L504	1-410-526-11	INDUCTOR 10uH	
L505	1-410-526-11	INDUCTOR 10uH	
L601	1-410-526-11	INDUCTOR 10uH (US)	
		< LIQUID CRYSTAL DISPLAY >	
LCD401	1-803-590-11	DISPLAY PANEL, LIQUID CRYSTAL (US)	
LCD401	1-803-604-11	DISPLAY PANEL, LIQUID CRYSTAL (EXCEPT US)	
		< TRANSISTOR >	
Q50	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q51	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q120	8-729-120-28	TRANSISTOR 2SC1623-L5L6 (EXCEPT US)	
Q120	8-729-922-87	TRANSISTOR 2SD1757K-RS (US)	
Q220	8-729-120-28	TRANSISTOR 2SC1623-L5L6 (EXCEPT US)	
Q220	8-729-922-87	TRANSISTOR 2SD1757K-RS (US)	
Q320	8-729-027-31	TRANSISTOR DTA124EKA-T146	
Q321	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q401	8-729-141-75	TRANSISTOR 25D596DV345	
Q402	8-729-141-75	TRANSISTOR 25D596DV345	
Q403	8-729-120-28	TRANSISTOR 2SC1623-L5L6 (EXCEPT US)	
Q404	8-729-120-28	TRANSISTOR 2SC1623-L5L6 (EXCEPT US)	
Q405	8-729-120-28	TRANSISTOR 2SC1623-L5L6 (EXCEPT US)	
Q406	8-729-027-31	TRANSISTOR DTA124EKA-T146	
Q407	8-729-027-31	TRANSISTOR DTA124EKA-T146	
Q501	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q502	8-729-801-84	TRANSISTOR 2SB1013-4	
Q601	8-729-120-28	TRANSISTOR 2SC1623-L5L6 (US)	
Q602	8-729-120-28	TRANSISTOR 2SC1623-L5L6 (US)	
		< RESISTOR >	
R1	1-216-097-00	RES, CHIP 100K 5%	1/10W
R2	1-216-097-00	RES, CHIP 100K 5%	1/10W
R3	1-216-061-00	METAL CHIP 3.3K 5%	1/10W (US)
R3	1-216-065-00	RES, CHIP 4.7K 5%	1/10W (EXCEPT US)
R4	1-216-073-00	METAL CHIP 10K 5%	1/10W
R6	1-216-121-00	RES, CHIP 1M 5%	1/10W
R11	1-216-057-00	RES, CHIP 2.2K 5%	1/10W
R12	1-216-025-00	RES, CHIP 100 5%	1/10W
R13	1-216-073-00	METAL CHIP 10K 5%	1/10W
R14	1-216-105-00	RES, CHIP 220K 5%	1/10W
R15	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
R16	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
R17	1-216-069-00	METAL CHIP 6.8K 5%	1/10W
R18	1-216-069-00	METAL CHIP 6.8K 5%	1/10W
R19	1-216-105-00	RES, CHIP 220K 5%	1/10W
R20	1-216-041-00	METAL CHIP 470 5%	1/10W
R50	1-216-065-00	RES, CHIP 4.7K 5%	1/10W
R51	1-216-041-00	METAL CHIP 470 5%	1/10W
R52	1-216-049-11	RES, CHIP 1K 5%	1/10W
R53	1-216-049-11	RES, CHIP 1K 5%	1/10W
R54	1-216-049-11	RES, CHIP 1K 5%	1/10W
R55	1-216-049-11	RES, CHIP 1K 5%	1/10W
R56	1-216-073-00	METAL CHIP 10K 5%	1/10W

Ref. No.	Part No.	Description			Remark
R57	1-216-073-00	METAL CHIP	10K	5%	1/10W
R58	1-216-073-00	METAL CHIP	10K	5%	1/10W
R59	1-216-097-00	RES, CHIP	100K	5%	1/10W
R60	1-216-073-00	METAL CHIP	10K	5%	1/10W
R101	1-216-081-00	METAL CHIP	22K	5%	1/10W
R102	1-216-081-00	METAL CHIP	22K	5%	1/10W
R103	1-216-081-00	METAL CHIP	22K	5%	1/10W
R104	1-216-081-00	METAL CHIP	22K	5%	1/10W
R105	1-216-089-00	RES, CHIP	47K	5%	1/10W
R106	1-216-089-00	RES, CHIP	47K	5%	1/10W
R107	1-216-073-00	METAL CHIP	10K	5%	1/10W
R108	1-216-073-00	METAL CHIP	10K	5%	1/10W
R109	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R110	1-216-295-00	SHORT	0		
R120	1-216-049-11	METAL CHIP	1K	5%	1/10W
R121	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R122	1-216-049-11	RES, CHIP	1K	5%	1/10W
R201	1-216-081-00	METAL CHIP	22K	5%	1/10W
R202	1-216-081-00	METAL CHIP	22K	5%	1/10W
R203	1-216-081-00	METAL CHIP	22K	5%	1/10W
R204	1-216-081-00	METAL CHIP	22K	5%	1/10W
R205	1-216-089-00	RES, CHIP	47K	5%	1/10W
R206	1-216-089-00	RES, CHIP	47K	5%	1/10W
R207	1-216-073-00	METAL CHIP	10K	5%	1/10W
R208	1-216-073-00	METAL CHIP	10K	5%	1/10W
R209	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R210	1-216-295-00	SHORT	0		
R220	1-216-049-11	METAL CHIP	1K	5%	1/10W
R221	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R222	1-216-049-11	RES, CHIP	1K	5%	1/10W
R302	1-216-065-00	RES, CHIP	4.7K	5%	1/10W
R303	1-216-065-00	RES, CHIP	4.7K	5%	1/10W
R320	1-216-049-11	RES, CHIP	1K	5%	1/10W (US)
R320	1-216-065-00	RES, CHIP	4.7K	5%	1/10W (EXCEPT US)
R321	1-216-073-00	METAL CHIP	10K	5%	1/10W
R322	1-216-049-11	RES, CHIP	1K	5%	1/10W
R323	1-216-049-11	RES, CHIP	1K	5%	1/10W
R324	1-216-073-00	METAL CHIP	10K	5%	1/10W
R325	1-216-049-11	RES, CHIP	1K	5%	1/10W
R401	1-216-049-11	RES, CHIP	1K	5%	1/10W
R402	1-216-049-11	RES, CHIP	1K	5%	1/10W
R403	1-216-049-11	RES, CHIP	1K	5%	1/10W
R404	1-216-049-11	RES, CHIP	1K	5%	1/10W
R405	1-216-049-11	RES, CHIP	1K	5%	1/10W
R406	1-216-049-11	RES, CHIP	1K	5%	1/10W
R407	1-216-049-11	RES, CHIP	1K	5%	1/10W
R408	1-216-049-11	RES, CHIP	1K	5%	1/10W
R409	1-216-049-11	RES, CHIP	1K	5%	1/10W
R410	1-216-049-11	RES, CHIP	1K	5%	1/10W
R411	1-216-073-00	METAL CHIP	10K	5%	1/10W
R412	1-216-073-00	METAL CHIP	10K	5%	1/10W
R413	1-216-073-00	METAL CHIP	10K	5%	1/10W
R414	1-216-073-00	METAL CHIP	10K	5%	1/10W
R415	1-216-049-11	RES, CHIP	1K	5%	1/10W (US)
R416	1-216-049-11	RES, CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R417	1-216-049-11	RES, CHIP	1K	5%	1/10W
R418	1-216-049-11	RES, CHIP	1K	5%	1/10W
R419	1-216-077-00	RES, CHIP	15K	5%	1/10W
R420	1-216-077-00	RES, CHIP	15K	5%	1/10W
R421	1-216-077-00	RES, CHIP	15K	5%	1/10W
R422	1-216-097-00	RES, CHIP	100K	5%	1/10W
R423	1-216-049-11	RES, CHIP	1K	5%	1/10W
R424	1-216-049-11	RES, CHIP	1K	5%	1/10W
R425	1-216-049-11	RES, CHIP	1K	5%	1/10W
R426	1-216-041-00	METAL CHIP	470	5%	1/10W
R427	1-216-049-11	RES, CHIP	1K	5%	1/10W
R428	1-216-049-11	RES, CHIP	1K	5%	1/10W
R429	1-216-025-00	RES, CHIP	100	5%	1/10W
R430	1-216-049-11	RES, CHIP	1K	5%	1/10W
R431	1-216-049-11	RES, CHIP	1K	5%	1/10W
R432	1-216-049-11	RES, CHIP	1K	5%	1/10W
R433	1-216-049-11	RES, CHIP	1K	5%	1/10W
R434	1-216-049-11	RES, CHIP	1K	5%	1/10W
R435	1-216-049-11	RES, CHIP	1K	5%	1/10W
R436	1-216-049-11	RES, CHIP	1K	5%	1/10W
R438	1-216-089-00	RES, CHIP	47K	5%	1/10W
R439	1-216-057-00	METAL CHIP	2.2K	5%	1/10W (US)
R439	1-216-089-00	RES, CHIP	47K	5%	1/10W (EXCEPT US)
R440	1-216-081-00	METAL CHIP	22K	5%	1/10W (EXCEPT US)
R440	1-216-121-00	RES, CHIP	1M	5%	1/10W (US)
R441	1-216-097-00	RES, CHIP	100K	5%	1/10W
R442	1-216-073-00	METAL CHIP	10K	5%	1/10W
R443	1-216-049-11	RES, CHIP	1K	5%	1/10W
R444	1-216-049-11	RES, CHIP	1K	5%	1/10W
R445	1-216-073-00	METAL CHIP	10K	5%	1/10W
R446	1-216-073-00	METAL CHIP	10K	5%	1/10W
R447	1-216-113-00	METAL CHIP	470K	5%	1/10W
R448	1-216-113-00	METAL CHIP	470K	5%	1/10W
R449	1-216-113-00	METAL CHIP	470K	5%	1/10W
R450	1-216-113-00	METAL CHIP	470K	5%	1/10W
R451	1-216-113-00	METAL CHIP	470K	5%	1/10W
R452	1-216-049-11	RES, CHIP	1K	5%	1/10W
R453	1-216-049-11	RES, CHIP	1K	5%	1/10W
R454	1-216-049-11	RES, CHIP	1K	5%	1/10W
R455	1-216-049-11	RES, CHIP	1K	5%	1/10W
R456	1-216-049-11	RES, CHIP	1K	5%	1/10W
R457	1-216-049-11	RES, CHIP	1K	5%	1/10W
R458	1-216-049-11	RES, CHIP	1K	5%	1/10W
R459	1-216-049-11	RES, CHIP	1K	5%	1/10W
R460	1-216-049-11	RES, CHIP	1K	5%	1/10W
R461	1-216-049-11	RES, CHIP	1K	5%	1/10W
R462	1-216-049-11	RES, CHIP	1K	5%	1/10W
R463	1-216-049-11	RES, CHIP	1K	5%	1/10W
R464	1-216-049-11	RES, CHIP	1K	5%	1/10W
R465	1-216-049-11	RES, CHIP	1K	5%	1/10W
R466	1-216-049-11	RES, CHIP	1K	5%	1/10W
R467	1-216-049-11	RES, CHIP	1K	5%	1/10W
R468	1-216-049-11	RES, CHIP	1K	5%	1/10W
R469	1-216-113-00	METAL CHIP	470K	5%	1/10W

MAIN

Ref. No.	Part No.	Description			Remark
R470	1-216-049-11	RES, CHIP	1K	5%	1/10W
R471	1-216-049-11	RES, CHIP	1K	5%	1/10W (EXCEPT US)
R472	1-216-049-11	RES, CHIP	1K	5%	1/10W
R473	1-216-025-00	RES, CHIP	100	5%	1/10W (EXCEPT US)
R474	1-216-073-00	METAL CHIP	10K	5%	1/10W (EXCEPT US)
R475	1-216-073-00	METAL CHIP	10K	5%	1/10W (EXCEPT US)
R476	1-216-073-00	METAL CHIP	10K	5%	1/10W
R477	1-216-073-00	METAL CHIP	10K	5%	1/10W
R478	1-216-073-00	METAL CHIP	10K	5%	1/10W
R479	1-216-073-00	METAL CHIP	10K	5%	1/10W
R480	1-216-073-00	METAL CHIP	10K	5%	1/10W
R481	1-216-049-11	RES, CHIP	1K	5%	1/10W
R482	1-216-105-00	RES, CHIP	220K	5%	1/10W
R489	1-216-049-11	RES, CHIP	1K	5%	1/10W
R490	1-216-049-11	RES, CHIP	1K	5%	1/10W
R498	1-216-073-00	METAL CHIP	10K	5%	1/10W
R501	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R502	1-216-065-00	RES, CHIP	4.7K	5%	1/10W
R503	1-216-073-00	METAL CHIP	10K	5%	1/10W
R504	1-216-073-00	METAL CHIP	10K	5%	1/10W
R505	1-216-113-00	METAL CHIP	470K	5%	1/10W
R506	1-216-097-00	RES, CHIP	100K	5%	1/10W
R507	1-216-113-00	METAL CHIP	470K	5%	1/10W
R508	1-216-095-00	METAL CHIP	82K	5%	1/10W
R510	1-216-097-00	RES, CHIP	100K	5%	1/10W
R511	1-216-089-00	RES, CHIP	47K	5%	1/10W
R512	1-216-097-00	RES, CHIP	100K	5%	1/10W
R513	1-216-081-00	METAL CHIP	22K	5%	1/10W
R514	1-216-101-00	METAL CHIP	150K	5%	1/10W
R516	1-216-077-00	METAL CHIP	15K	5%	1/10W
R517	1-216-073-00	METAL CHIP	10K	5%	1/10W
R518	1-216-065-00	RES, CHIP	4.7K	5%	1/10W
R519	1-216-081-00	METAL CHIP	22K	5%	1/10W
R520	1-216-081-00	METAL CHIP	22K	5%	1/10W
R521	1-216-081-00	METAL CHIP	22K	5%	1/10W
R523	1-216-009-00	RES, CHIP	22	5%	1/10W
R524	1-216-089-00	RES, CHIP	47K	5%	1/10W
R525	1-216-119-00	METAL CHIP	820K	5%	1/10W
R529	1-216-101-00	METAL CHIP	150K	5%	1/10W
R530	1-216-105-00	RES, CHIP	220K	5%	1/10W
R531	1-216-113-00	METAL CHIP	470K	5%	1/10W
R532	1-216-097-00	RES, CHIP	100K	5%	1/10W
R533	1-216-109-00	METAL CHIP	330K	5%	1/10W
R534	1-216-095-00	METAL CHIP	82K	5%	1/10W
R535	1-216-089-00	RES, CHIP	47K	5%	1/10W
R536	1-216-089-00	RES, CHIP	47K	5%	1/10W
R537	1-216-089-00	RES, CHIP	47K	5%	1/10W
R538	1-216-089-00	RES, CHIP	47K	5%	1/10W
R539	1-216-097-00	RES, CHIP	100K	5%	1/10W
R540	1-216-073-00	METAL CHIP	10K	5%	1/10W
R541	1-216-073-00	METAL CHIP	10K	5%	1/10W
R542	1-216-049-11	RES, CHIP	1K	5%	1/10W
R543	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R544	1-216-073-00	METAL CHIP	10K	5%	1/10W
R545	1-216-121-00	RES, CHIP	1M	5%	1/10W
R546	1-216-073-00	METAL CHIP	10K	5%	1/10W
R547	1-216-105-00	RES, CHIP	220K	5%	1/10W
R548	1-216-097-00	RES, CHIP	100K	5%	1/10W
R549	1-216-097-00	RES, CHIP	100K	5%	1/10W
R550	1-216-073-00	METAL CHIP	10K	5%	1/10W
R551	1-216-049-11	RES, CHIP	1K	5%	1/10W
R552	1-216-073-00	METAL CHIP	10K	5%	1/10W
R553	1-216-097-00	RES, CHIP	100K	5%	1/10W
R554	1-216-073-00	METAL CHIP	10K	5%	1/10W
R555	1-216-073-00	METAL CHIP	10K	5%	1/10W
R556	1-216-081-00	METAL CHIP	22K	5%	1/10W
R557	1-216-081-00	METAL CHIP	22K	5%	1/10W
R558	1-216-089-00	RES, CHIP	47K	5%	1/10W
R559	1-216-089-00	RES, CHIP	47K	5%	1/10W
R601	1-216-049-11	RES, CHIP	1K	5%	1/10W (US)
R602	1-216-049-11	RES, CHIP	1K	5%	1/10W (US)
R603	1-216-049-11	RES, CHIP	1K	5%	1/10W (US)
R604	1-216-025-00	RES, CHIP	100	5%	1/10W (US)
R605	1-216-049-11	RES, CHIP	1K	5%	1/10W (US)
R606	1-216-049-11	RES, CHIP	1K	5%	1/10W (US)
R607	1-216-049-11	RES, CHIP	1K	5%	1/10W (US)
R608	1-216-081-00	METAL CHIP	22K	5%	1/10W (US)
R609	1-216-097-00	RES, CHIP	100K	5%	1/10W (US)
R610	1-216-097-00	RES, CHIP	100K	5%	1/10W (US)
R611	1-216-061-00	METAL CHIP	3.3K	5%	1/10W (US)
R612	1-216-073-00	METAL CHIP	10K	5%	1/10W (US)
R613	1-216-049-11	RES, CHIP	10K	5%	1/10W (US)
R614	1-216-049-11	RES, CHIP	1K	5%	1/10W (US)
R615	1-216-049-11	RES, CHIP	1K	5%	1/10W (US)
R616	1-216-049-11	RES, CHIP	1K	5%	1/10W (US)
R617	1-216-049-11	RES, CHIP	1K	5%	1/10W (US)
		< VARIABLE RESISTOR >			
RV1	1-238-601-11	RES, ADJ, CARBON 22K			
RV501	1-230-497-11	RES, ADJ, CARBON 22K			
RV502	1-230-497-11	RES, ADJ, CARBON 22K			
		< SWITCH >			
S421	1-572-949-11	SWITCH, SLIDE (SOUND MODE) (US)			
S422	1-572-949-11	SWITCH, SLIDE (SOOUND LEVEL) (US)			
S423	1-571-478-11	SWITCH, SLIDE (BRIGHTNESS) (EXCEPT US)			

Ref. No.	Part No.	Description			Remark
		< TRANSFORMER >			
T1	1-404-790-11	TRANSFORMER, IF			
		< VIBRATOR >			
X50	1-760-130-11	VIBRATOR, CRYSTAL (75kHz)			
X401	1-767-697-11	VIBRATOR, CRYSTAL (32.768kHz)			
X402	1-781-357-11	VIBRATOR, CERAMIC (4.194MHz)			
X501	1-760-793-11	VIBRATOR, CERAMIC (16.933MHz)			
X601	1-760-641-21	VIBRATOR, CERAMIC (4.19MHz) (US)			

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Ref. No.	Part No.	Description			Remark
*	1-673-804-12	MOTOR BOARD			
		*************			
		< SWITCH >			
S570	1-571-936-11	SWITCH, LEAF (LIMIT)			

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Ref. No.	Part No.	Description			Remark
*	A-3683-083-A	POWER BOARD, COMPLETE (US)			
*	A-3683-094-A	POWER BOARD, COMPLETE (IT)			
*	A-3683-096-A	POWER BOARD, COMPLETE (CND)			
*	A-3683-098-A	POWER BOARD, COMPLETE (AUS)			
		************************			
	1-533-217-31	HOLDER, FUSE (EXCEPT US)			
*	1-535-771-11	TERMINAL (IT, AUS)			
⚠	1-555-795-00	CORD, POWER (IT)			
⚠	1-783-817-11	CORD, POWER (US, CND)			
⚠	1-790-431-11	CORD, POWER (AUS)			
*	3-701-946-26	LABEL, FUSE RATING (CND)			
	7-685-546-19	SCREW +BTP 3X8 TYPE2 N-S			
		< CAPACITOR >			
C150	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C151	1-126-963-11	ELECT	4.7uF	20%	50V
C152	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C153	1-110-501-11	CERAMIC CHIP	0.33uF	10%	16V
C154	1-110-501-11	CERAMIC CHIP	0.33uF	10%	16V
C155	1-126-926-11	ELECT	1000uF	20%	10V
C250	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C251	1-126-963-11	ELECT	4.7uF	20%	50V
C252	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C253	1-110-501-11	CERAMIC CHIP	0.33uF	10%	16V
C254	1-110-501-11	CERAMIC CHIP	0.33uF	10%	16V
C255	1-126-926-11	ELECT	1000uF	20%	10V
C351	1-109-982-11	TANTALUM CHIP	4.7uF	10%	16V
C352	1-126-963-11	ELECT	4.7uF	20%	50V
C353	1-126-933-11	ELECT	100uF	20%	16V
C354	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C355	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C356	1-126-963-11	ELECT	4.7uF	20%	50V
C357	1-104-655-11	ELECT	100uF	20%	10V
C358	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C359	1-104-655-11	ELECT	100uF	20%	10V
C360	1-126-176-11	ELECT	220uF	20%	10V
C361	1-104-665-11	ELECT	100uF	20%	10V
C362	1-104-665-11	ELECT	100uF	20%	10V
C363	1-110-501-11	CERAMIC CHIP	0.33uF	10%	16V
C364	1-110-501-11	CERAMIC CHIP	0.33uF	10%	16V
C365	1-110-501-11	CERAMIC CHIP	0.33uF	10%	16V
C366	1-110-501-11	CERAMIC CHIP	0.33uF	10%	16V
C367	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C368	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C369	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C370	1-126-960-11	ELECT	1uF	20%	50V
C374	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C901	1-107-906-11	ELECT	10uF	20%	50V
C902	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C903	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C904	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C905	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C906	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C907	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C908	1-107-901-11	ELECT	0.47uF	20%	50V
C909	1-107-909-11	ELECT	47uF	20%	35V
C910	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C911	1-128-547-11	ELECT	6800uF	20%	16V
C912	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C913	1-107-889-11	ELECT	220uF	20%	10V
C914	1-107-869-61	ELECT	470uF	20%	6.3V
C915	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C916	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C917	1-107-889-11	ELECT	220uF	20%	10V
C918	1-107-869-61	ELECT	470uF	20%	6.3V
C919	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C920	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
		< CONNECTOR >			
* CN303	1-580-189-11	SOCKET, CONNECTOR 10P			
* CN304	1-580-189-11	SOCKET, CONNECTOR 10P			
* CN305	1-568-272-11	SOCKET, CONNECTOR 6P			
* CN306	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
* CN307	1-564-704-11	SOCKET, CONNECTOR 2P			
		< DIODE >			
D350	8-719-914-43	DIODE DAN202K			
D351	8-719-914-43	DIODE DAN202K			
D901	8-719-074-44	DIODE 1SS120RX			
D902	8-719-074-44	DIODE 1SS120RX			
D903	8-719-074-44	DIODE 1SS120RX			
D904	8-719-074-44	DIODE 1SS120RX			
D905	8-719-911-55	DIODE U05G (CND)			
D905	8-719-979-32	DIODE RL202-M11 (EXCEPT CND)			
D906	8-719-911-55	DIODE U05G (CND)			
D906	8-719-979-32	DIODE RL202-M11 (EXCEPT CND)			
D907	8-719-911-55	DIODE U05G (CND)			
D907	8-719-979-32	DIODE RL202-M11 (EXCEPT CND)			
D908	8-719-911-55	DIODE U05G (CND)			
D908	8-719-979-32	DIODE RL202-M11 (EXCEPT CND)			
D909	8-719-109-88	DIODE RD5.6ES-B1			
D910	8-719-109-97	DIODE RD6.8ES-B2			
D911	8-719-988-61	DIODE 1SS355TE-17			
		< FUSE >			
⚠F901	1-576-108-11	FUSE (4A/125V) (CND)			
⚠F901	1-532-237-00	FUSE (T3.15AL/250V) (IT, AUS)			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le neméro spécifié.

POWER **PUSH SWITCH** **VOLUME**

Ref. No.	Part No.	Description			Remark
		< IC >			
IC350	8-759-543-56	IC LA4601N			
IC351	8-759-426-51	IC BA5417			
		< LINE FILTER >			
⚠LF901	1-424-150-11	TRANSFORMER, LINE FILTER			
		< TRANSISTOR >			
Q150	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q151	8-729-021-82	TRANSISTOR	2SD2396K		
Q250	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q251	8-729-021-82	TRANSISTOR	2SD2396K		
Q350	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q351	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q352	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q353	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q354	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q355	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q901	8-729-021-82	TRANSISTOR	2SD2396K		
Q902	8-729-021-82	TRANSISTOR	2SD2396K		
Q903	8-729-049-50	TRANSISTOR	2SB1424-T100-R		
Q904	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
		< RESISTOR >			
R150	1-216-073-00	RES, CHIP	10K	5%	1/10W
R151	1-216-073-00	RES, CHIP	10K	5%	1/10W
R152	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R153	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R154	1-216-049-11	RES, CHIP	1K	5%	1/10W
R155	1-216-017-00	RES, CHIP	47	5%	1/10W
R156	1-216-049-11	RES, CHIP	1K	5%	1/10W
R157	1-216-033-00	METAL CHIP	220	5%	1/10W
R250	1-216-073-00	RES, CHIP	10K	5%	1/10W
R251	1-216-073-00	RES, CHIP	10K	5%	1/10W
R252	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R253	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R254	1-216-049-11	RES, CHIP	1K	5%	1/10W
R255	1-216-017-00	RES, CHIP	47	5%	1/10W
R256	1-216-049-11	RES, CHIP	1K	5%	1/10W
R257	1-216-033-00	METAL CHIP	220	5%	1/10W
R351	1-216-073-00	METAL CHIP	10K	5%	1/10W
R352	1-216-073-00	METAL CHIP	10K	5%	1/10W
R353	1-216-089-00	RES, CHIP	47K	5%	1/10W
R354	1-216-097-00	RES, CHIP	100K	5%	1/10W
R355	1-216-073-00	METAL CHIP	10K	5%	1/10W
R356	1-216-089-00	RES, CHIP	47K	5%	1/10W
R357	1-216-073-00	METAL CHIP	10K	5%	1/10W
R358	1-216-077-00	METAL CHIP	15K	5%	1/10W
R359	1-216-033-00	METAL CHIP	220	5%	1/10W
R360	1-216-033-00	METAL CHIP	220	5%	1/10W
R361	1-216-085-00	METAL CHIP	33K	5%	1/10W
R362	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R363	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R364	1-216-065-00	RES, CHIP	4.7K	5%	1/10W
R365	1-216-045-00	METAL CHIP	680	5%	1/10W
R366	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R369	1-216-073-00	METAL CHIP	10K	5%	1/10W
R370	1-216-049-11	RES, CHIP	1K	5%	1/10W
R371	1-216-049-11	RES, CHIP	1K	5%	1/10W
R372	1-216-073-00	METAL CHIP	10K	5%	1/10W
R373	1-216-049-11	RES, CHIP	1K	5%	1/10W
R375	1-216-049-11	RES, CHIP	1K	5%	1/10W
R901	1-216-025-00	RES, CHIP	100	5%	1/10W
R902	1-216-097-00	RES, CHIP	100K	5%	1/10W
R903	1-216-097-00	RES, CHIP	100K	5%	1/10W
R904	1-216-089-00	RES, CHIP	47K	5%	1/10W
R905	1-216-041-00	METAL CHIP	470	5%	1/10W
R906	1-216-041-00	METAL CHIP	470	5%	1/10W
R907	1-216-049-11	RES, CHIP	1K	5%	1/10W
R908	1-216-041-00	METAL CHIP	470	5%	1/10W
⚠R909	1-219-149-11	FUSIBLE	1	5%	1/4W F
⚠R910	1-219-149-11	FUSIBLE	1	5%	1/4W F
		< TRANSFORMER >			
⚠T901	1-449-199-11	TRANSFORMER, POWER (US)			
⚠T901	1-449-200-11	TRANSFORMER, POWER (IT)			
⚠T901	1-449-202-11	TRANSFORMER, POWER (AUS)			
⚠T901	1-449-350-11	TRANSFORMER, POWER (CND)			

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Ref. No.	Part No.	Description
*	1-673-802-12	PUSH SWITCH BOARD
		*******************
		(Included in MAIN BOARD, COMPLETE)
		< SWITCH >
S424	1-762-108-31	SWITCH, PUSH (1 KEY) (CD LID OPEN/CLOSE DET)

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Ref. No.	Part No.	Description
*	1-673-800-12	VOLUME BOARD
		**************
		< CONNECTOR >
CN302	1-695-368-31	PIN, CONNECTOR (PC BOARD) 7P
		< VARIABLE RESISTOR >
RV301	1-240-871-11	REGISTER (VOLUME)
RV302	1-240-870-11	REGISTER (MEGA BASS)

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Ref. No.	Part No.	Description
		MISCELLANEOUS
		**************
4	1-790-755-11	WIRE (FLAT TYPE) (7 CORE)
11	1-452-732-11	MAGNET
13	1-790-756-11	WIRE (FLAT TYPE) (10 CORE)
61	1-769-824-11	WIRE (FLAT TYPE) (16 CORE)
⚠151	8-848-379-31	OPTICAL PICK-UP KSS-213B
ANT1	1-501-907-21	ANTENNA, FM WIRE
M570	X-2625-769-1	GEAR ASSY (MB), MOTOR (SLED)
M571	X-2625-770-2	CHASSIS ASSY (MB), (RP) (SPINDLE)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
SP101	1-529-354-11	SPEAKER (6.6cm) (L ch)	
SP201	1-529-354-11	SPEAKER (6.6cm) (R ch)	
SP301	1-529-355-11	SPEAKER (9.2cm)	

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HARDWARE LIST

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#1	7-685-546-19	SCREW +BTP 3X8 TYPE2 N-S	
#2	7-685-903-31	SCREW +PTPWH 3X10 (TYPE2)	
#3	7-685-649-79	SCREW +P 3X14 TYPE2 NON-SLIT	
#4	7-685-133-19	SCREW +BTP 2.6X6 TYPE2 N-S	
#5	7-621-255-15	SCREW +P 2X3	
#6	7-685-547-19	SCREW +B 3X10	

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ACCESSORIES & PACKING MATERIALS

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	3-366-485-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, DUTCH) (CND)	
	3-866-485-21	MANUAL, INSTRUCTION (ENGLISH) (US, AUS)	
	3-866-485-31	MANUAL, INSTRUCTION (SPANISH, SWEDISH, ITALIAN, PORTUGUESE) (IT)	

9-927-109-11

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